

Study Guide

SCHOOL OF BUSINESS

DEPARTMENT OF ACCOUNTING AND FINANCE



MSc in

Accounting & Finance

ATHENS UNIVERSITY OF ECONOMICS & BUSINESS

Academic Year 2026-2027

PART I: INFORMATION ABOUT THE INSTITUTION

CONTACT DETAILS (Name & Address)

ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS (AUEB)

Address: 76, Patission Str. GR-10434, Athens

Telephone number: +30-210-8203911

Website: <https://www.aueb.gr>

e-mail: webmaster@aub.gr

Facebook: <https://www.facebook.com/auebgreece>

X: <https://x.com/aueb>

LinkedIn: <https://www.linkedin.com/school/athens-university-of-economics-and-business/mycompany/>

Youtube: <https://www.youtube.com/channel/UCPncunqp3bMuAHHeCikhalg>

Instagram: <https://www.instagram.com/aueb.gr/>

ACADEMIC AUTHORITIES

The rectorate authorities consist of the Rector and the Vice Rectors:

Rector:

Professor Vasilios Vasdekis

Vice Rectors:

Vice Rector of Academic Affairs and Personnel

Associate Professor Leonidas Doukakis

Vice Rector of Research and Lifelong Learning

Professor Georgia Siougle

Vice Rector of Financial Planning and Infrastructure

Associate Professor Anna Eleni Galanaki

Vice Rector of International Cooperation and Development

Professor Athanasia Pouloudi

SCHOOL OF BUSINESS

Dean: Professor Angeliki Poulymenakou

DEPARTMENT OF ACCOUNTING AND FINANCE

Head of the Department: Associate Professor George Chalamandaris

MASTERS PROGRAM IN ACCOUNTING AND FINANCE

Director: Professor Georgia Siougle

CONTACT INFORMATION

Address: AUEB's Centre of Postgraduate Studies and Research, 47A Evelpidon Str. & 33 Lefkados Str., PC 11362 Athens, Greece

Secretariat's tel: +30-210-8203 633 /630

Secretariat's email: master.accfin@aub.gr

Website: <https://www.dept.aueb.gr/el/master.accfin>

X: https://x.com/AUEB_MSc_AccFin

Linkedin: <https://www.linkedin.com/company/msc-in-accounting-and-finance-aueb/>

Youtube: <https://www.youtube.com/channel/UCejOxDGoKwJEuclwbu8FYDA>

Instagram: https://www.instagram.com/master_loxri/

Facebook: <https://www.facebook.com/MSc.Acc.Fin.AUEB/>

Academic Calendar:

- Winter Semester
 - 1st teaching period: 5/10/2026- 28/11/2026
 - 1st exams period: 30/11/2026- 5/12/2026
 - 2nd teaching period: 7/12/2026- 13/2/2027
 - 2nd exams period: 15/2/2027- 20/2/2027
- Christmas Break: 23/12/2026-6/1/2027
- Spring Semester
 - 3rd teaching period: 22/2/2027- 17/4/2027
 - 3rd exams period: 19/4/2027-24/4/2027
 - 4th teaching period: 10/5/2027- 3/7/2027
 - 4th exams period: 5/7/2027-10/7/2027
- Easter Break: 26/4/2027-8/5/2027

Official Holidays:

- “Oxi” Greek Independence Day, 28/10/2026
- The Anniversary of Polytechnio, 17/11/2026
- Epiphany 6/1/2027
- The Three Patron Saints of Education Day 30/1/2027
- Clean Monday 15/3/2027
- Greek Independence Day 25/3/2027
- Labor Day 1/5/2027
- Pentecost Monday 21/6/2027

AUEB’s OPERATIONAL STRUCTURE

The structure and operation of the Institution is defined by current legislation as in force. The Athens University of Economics and Business is under the supervision of the Ministry of Education, Research and Religious Affairs. Its governing bodies include:

- a. The Governing Council
- b. The Senate
- c. The Rector
- d. The Vice-Rectors
- e. The Executive Director

AUEB’s ACADEMIC STRUCTURE

The Athens University of Economics and Business is structured by academic units of two (2) levels: a) the Schools, and b) the Departments

Each School is comprised of at least two (2) Departments, covers a domain of related scientific areas, and ensures the interdisciplinary approach to teaching and research between its

departments. The School is responsible for supervising and coordinating the operation of the Departments and the educational and research work produced, in accordance with the Internal Operating Regulations.

The bodies of the School, according to Law 4957/2022 (A 141) as applicable are: a) the Dean and b) the Dean's Council

The Department is the University's fundamental academic unit and aims to advance a specific field of science, technology, letters and arts through education and research. The Department consists of all the members of the Teaching & Research Staff (DEP), the members of the Special Education Staff (EEP), the members of the Laboratory Teaching Staff (EDIP) and the members of the Special Technical Laboratory Staff (ETEP).

Bodies of the Department according to Law 4957/2022 (A 141) as applicable are: a) the Assembly, b) the Board of Directors, c) the Head/Chair and d) the Deputy Head/Chair.

The Athens University of Economics and Business consists of three Schools & eight Departments:

1. SCHOOL OF ECONOMIC SCIENCES

Department of International and European Economic Studies

Department of Economics.

2. SCHOOL OF BUSINESS

Department of Management Science and Technology

Department of Business Administration

Department of Accounting and Finance

Department of Marketing and Communication.

3. SCHOOL OF INFORMATION SCIENCE AND TECHNOLOGY

Department of Informatics

Department of Statistics

ADMINISTRATIVE BODIES OF POSTGRADUATE STUDY PROGRAMS

Competent bodies for the organization and operation of the Postgraduate Study Programs are:

- a) the Senate,
- b) the Assembly of the Department,
- c) the Coordinating Committee (CC), and
- d) the Director of the Postgraduate Program.

Especially for inter-departmental, inter-institutional and joint programs, the responsibilities of the Department's Assembly are exercised by the Curriculum Committee.

UNIVERSITY STAFF

The University staff consists of the following categories:

- TEACHING STAFF:

- Teaching & Research Staff (DEP)
- Emeritus Professors

- Visiting Professors
- Special Education Staff (E.E.P.)
- Laboratory Teaching Staff (E.D.I.P.)
- Special Technical Laboratory Staff (E.T.E.P.)
- Auxiliary Teaching Staff
- Teaching Fellows
- Scientific Faculty Members
- Adjunct Instructors
- Secondet Teachers

- ADMINISTRATIVE STAFF

SERVICES

The Athens University of Economics and Business provides both administrative and other services (meals, housing, library, sport facilities etc.) aiming at serving both its students and staff. More information on the organization and operation of the University's services can be found on the University's website (<http://www.aueb.gr/en>).

GENERAL DESCRIPTION OF THE UNIVERSITY

The Athens University of Economics and Business (AUEB), as a Higher Educational Institution, is a legal entity governed by public law and supervised by the Ministry of Education, Research and Religious Affairs.

AUEB is, in order of seniority, the third Higher Education Institution of the country and the first in the fields of Economics and Business Administration. Later, the scientific fields of Informatics and Statistics were added. Since its founding, in 1920, AUEB has a rich and noteworthy tradition of significant academic achievements that define the present and create excellent prospects for the future.

The University as a center of excellence, in academic research and teaching, is rated as one of the leading universities in its subject areas in Greece and one of the best internationally. The high level of its staff, the quality in teaching and research, the modern curriculum/courses, but also the high demand of its graduates significantly enhance the University's brand name and reputation, in Greece and abroad.

Detailed information about programs and curriculum is provided in each department's study guide and website.

Chief Regulations of the University (including academic recognition procedures)

The regulations include, for example:

- The University's Internal Operating Regulations
- The Organization of Administrative Services
- The Regulations for the Operation of Postgraduate and Doctoral Study Programs
- The Internal Regulation for conducting postdoctoral research

AUEB'S ECTS COORDINATOR

The University's ECTS Coordinator is the Quality Assurance Chairperson, who ensures the University's compliance with the principles and rules of the European credit accumulation and transfer systems, supervises compliance and implementation and is responsible for the full recognition and transfer of credit units.

PART II:
INFORMATION ABOUT THE MASTERS (M.Sc.) PROGRAM IN ACCOUNTING AND FINANCE

General description

The Master's program in Accounting and Finance has been operating successfully since the academic year 2004-2005 and was reformed in 2018-2019 (M.D. 5051/ Governmental Gazette 3071/issue B'/27-7-2018 as modified and currently in force). The program's main pillars are excellence, meritocracy and extroversion, and its main aim is to foster graduates that will become highly sought-after business executives, successful entrepreneurs, or will follow academic careers, in Greece or abroad. The reformed program's curriculum offers three (3) distinct specializations, primarily aiming to better qualify its graduates and boost even more their job placement prospects.

Degree Awarded

The Postgraduate program in Accounting and Finance leads to the award of **Master of Science (MSc) in Accounting and Finance** with the following specializations:

- Accounting and Auditing
- Finance, Investments, and Risk Management
- Accounting and Finance

The graduates' specialization is indicated on the transcript of grades and on the diploma supplement and not on the Masters' degree awarded.

Admission Criteria

To be accepted into the Master's Program, students are required, to have an undergraduate degree from a Greek Higher Education Institution or from a recognized foreign Higher Education Institution [level six (6) of the National and European Qualifications Framework in accordance with Article 47 of Law 4763/2020].

The program admits up to sixty (60) students to the full time group and up to sixty (60) students to the part time group per year.

In the framework of AUEB's cooperation with major foreign higher education institutions (HEIs), the MSc in Accounting and Finance may accept visiting students on top of the above mentioned 120 students that regularly get accepted. All incoming visiting students must meet the program's academic acceptance criteria and are registered by the registrar upon arrival at AUEB for a predesignated time period, while retaining their student status at their home institution. All incoming visiting students are expected to achieve a passing grade (at least 5/10) in the examinations of the courses selected to attend, in order to be awarded the corresponding ECTS credits. Upon successful completion of the selected courses, they will receive a transcript of records (ToR). Incoming visiting students may be requested to pay portion of the program's tuition fees, in accordance with the decisions of the Assembly of the Department of Accounting and Finance and the Memorandum of Understanding signed between AUEB and the cooperating foreign HEI.

Applicants' selection is made according to the provisions of Law No. 4957/2022 and the program's Operating Regulations as published in the Governmental Gazette No. 5649/issue' B/26-9-2023.

Each applicant should submit the following supporting documents, as indicated in the official call for applications:

1. Online application form https://e-graduate.applications.aueb.gr/?lang=en_US
2. Curriculum Vitae
3. A copy of the undergraduate degree and a transcript of records (of a Greek Higher Education Institution or a foreign Institution recognised by Hellenic National Academic Recognition Information Center- NARIC). Students in their final year of undergraduate studies must submit a solemn declaration (in accordance with Greek law 1599/86) that their acceptance into the Program is contingent upon them having obtained their degree by the end of the upcoming September exam period.
4. Certification of good command of the English language (B2 level). Students who do not hold such certification at the time of submitting their application, must submit a solemn declaration (in accordance with Greek law 1599/86) that their acceptance into the Program is contingent upon them acquiring the required English language certification.
5. Two academic recommendation letters (for full-time candidates) and/or employers (for part-time candidates).
6. Verification of work experience (for candidates for part-time studies)
7. Applicants holding a non-Greek university degree must meet the requirements set by law 4957/2022 (art. 304) regarding their degree's recognition by the Hellenic National Academic Recognition Information Centre (DOATAP).

The applicant's evaluation process is as follows:

The Admissions Committee

- a. Draws up a complete initial list of all applicants
- b. Rejects all applicants that do not meet the selection criteria as set by the Departmental Assembly.
- c. Calls all eligible applicants for a personal interview with at least two members of the Admissions Committee.
- d. Ranks all applicants according to the above mentioned quantitative and qualitative criteria and selects the ones that will be admitted to the program.

The final list of successful applicants is validated by the Departmental Assembly.

In addition, all successful candidates are required to attend and pass the exams in three (3) preparatory courses prior to their final enrolment to the Program, unless exempted by the Departmental Assembly. The preparatory courses are offered in September. All successful applicants must achieve passing grades to all preparatory courses in order to make their final enrollment in the program, otherwise they receive a refund of tuition fees already paid, if any.

Learning Outcomes of the Program

Upon successful completion of his/her studies, the program's graduate is expected to have developed comprehensive and specialized knowledge on the core concepts and the most recent trends in Accounting and Finance. He/she is expected to demonstrate an understanding of and to be able to analyze the fundamental rules and processes of financial reporting, the functioning of financial institutions and money and capital markets, as well as the organizational form and functioning of audit firms. The graduate is also expected to be able to apply, analyze and synthesize financial information and accounting rules, in order to evaluate managerial performance and the financial position, credit capacity, and short and long-term survival and growth prospects of firms. Furthermore, the program's graduate will have strong analytical and critical skills, and will be able to use information technology, statistical, accounting and financial analysis tools, in order to competently follow the rapidly changing academic and empirical developments in the fields of Accounting and Finance, at national and international levels. In the context of financial markets having currently reached a very high degree of complexity, the MSc graduates will be in position to constructively implement sophisticated and academically rigorous concepts, in order to adapt to the constantly changing needs of a successful career in Accounting and Finance.

Access to further studies

Graduates of the Program can continue their studies at the Doctoral Level (3rd cycle of studies).

Program Structure Chart with Academic Credits (ECTS)

The Program Offers:

- A full time course of 12-month duration
- A part time course of 24-month duration

Students in both courses can specialize in:

- Accounting and Auditing
- Accounting and Finance
- Finance, Investments and Risk Management

The Master's Program in Accounting and Finance is equal to seventy five (75) ECTS credits (European Credit Transfer and Accumulation System), and consists of twelve (12) courses, worth five (5) ECTS credits each, as well as the MSc Thesis, worth fifteen (15) ECTS credits. For part-time students, eight (8) courses units are offered in the first year of studies and four (4) in the second year, while classes are held during evening hours. Lectures are conducted in Greek, while the literature is primarily in English. Furthermore, the program includes three (3) preparatory courses, that take place in September each year. Exemptions from the preparatory courses may be allowed at the discretion of the Departmental Assembly. **A student who fails any of the preparatory courses is not enrolled in the Program.**

PREPARATORY COURSES		
Accounting and Auditing Specialization	Accounting and Finance Specialization	Finance, Investments and Risk Management Specialization
Introduction to Quantitative Methods	Introduction to Quantitative Methods	Introduction to Quantitative Methods
Introduction to Accounting	Introduction to Accounting	Introduction to Accounting
Introduction to Finance	Introduction to Finance	Introduction to Finance
FULL TIME		
1 ST SEMESTER		
1 ST TEACHING PERIOD	1 ST TEACHING PERIOD	1 ST TEACHING PERIOD
Corporate Finance (5 ECTS)	Corporate Finance (5 ECTS)	Corporate Finance (5 ECTS)
Data Analysis in Accounting and Finance (5 ECTS)	Data Analysis in Accounting and Finance (5 ECTS)	Data Analysis in Accounting and Finance (5 ECTS)
Financial Accounting I (5 ECTS)	Financial Accounting I (5 ECTS)	Banking (5 ECTS)
2 ND TEACHING PERIOD	2 ND TEACHING PERIOD	2 ND TEACHING PERIOD
Cost Accounting (5 ECTS)	Cost Accounting (5 ECTS)	Financial Econometrics (5 ECTS)
Financial Accounting II (5 ECTS)	Financial Accounting II (5 ECTS)	Financial Accounting (5 ECTS)
Direct Taxation and Tax Planning (5 ECTS)	Money and Capital Markets (5 ECTS)	Money and Capital Markets (5 ECTS)
2 ND SEMESTER		
3 RD TEACHING PERIOD	3 RD TEACHING PERIOD	3 RD TEACHING PERIOD
Consolidated Financial Statements (5 ECTS)	Portfolio Analysis and Management (5 ECTS)	Portfolio Analysis and Management (5 ECTS)
Management Accounting (5 ECTS)	Management Accounting (5 ECTS)	Financial Derivatives (5 ECTS)
5 ECTS out of:	5 ECTS out of:	5 ECTS out of:
Corporate Governance (5 ECTS)	Financial Derivatives (5 ECTS)	Computational Finance with Python (5 ECTS)
Modern Types of Financing (5 ECTS)	Principles of Corporate Governance (5 ECTS)	Modern Types of Financing (5 ECTS)
Accounting Information Systems and Internal Control (5 ECTS)	Modern Types of Financing (5 ECTS)	Data Visualization with Business Intelligence Tools (5 ECTS)
Data Visualization with Business Intelligence Tools (5 ECTS)	Data Visualization with Business Intelligence Tools (5 ECTS)	Issues of Corporate Sustainability in Accounting and Finance (5 ECTS)
Capital Taxation (5 ECTS)	Issues of Corporate Sustainability in Accounting and Finance (5 ECTS)	Financial Technology and Machine Learning (5 ECTS)

Issues of Corporate Sustainability in Accounting and Finance (5 ECTS)		
4th TEACHING PERIOD	4th TEACHING PERIOD	4th TEACHING PERIOD
Business Analysis and Valuation (5 ECTS)	Business Analysis and Valuation (5 ECTS)	Risk Management (5 ECTS)
Auditing (5 ECTS)	10 ECTS out of:	10 ECTS out of:
5 ECTS out of:	Behavioral Finance (5 ECTS)	Business Analysis and Valuation (5 ECTS)
Fraud Examination (5 ECTS)	Fraud Examination (5 ECTS)	Behavioral Finance (5 ECTS)
Financial Instruments: analysis and valuation (5 ECTS)	Financial Instruments: analysis and valuation (5 ECTS)	Macro-finance(5 ECTS)
Indirect Taxation (5 ECTS)	Shipping Finance (5 ECTS)	Shipping Finance (5 ECTS)
		Market Microstructure, Strategy, Execution and Dealing Room Simulations (5 ECTS)
July- September		
Masters Thesis (15 ECTS)		
PART TIME		
Accounting and Auditing Specialization	Accounting and Finance Specialization	Finance, Investments and Risk Management Specialization
1ST SEMESTER		
1ST TEACHING PERIOD	1ST TEACHING PERIOD	1ST TEACHING PERIOD
Data Analysis in Accounting and Finance (5 ECTS)	Data Analysis in Accounting and Finance (5 ECTS)	Corporate Finance (5 ECTS)
Financial Accounting I (5 ECTS)	Financial Accounting I (5 ECTS)	Data Analysis in Accounting and Finance (5 ECTS)
2nd TEACHING PERIOD	2nd TEACHING PERIOD	2nd TEACHING PERIOD
Cost Accounting (5 ECTS)	Cost Accounting (5 ECTS)	Money and Capital Markets (5 ECTS)
Financial Accounting II (5 ECTS)	Financial Accounting II (5 ECTS)	Financial Accounting (5 ECTS)
2nd SEMESTER		
3RD TEACHING PERIOD	3RD TEACHING PERIOD	3RD TEACHING PERIOD
Consolidated Financial Statements (5 ECTS)	Portfolio Analysis and Management (5 ECTS)	Portfolio Analysis and Management (5 ECTS)
Management Accounting (5 ECTS)	Management Accounting (5 ECTS)	Financial Derivatives (5 ECTS)
4th TEACHING PERIOD	4th TEACHING PERIOD	4th TEACHING PERIOD
Corporate Finance (5 ECTS)	Corporate Finance (5 ECTS)	Risk Management (5 ECTS)

Auditing (5 ECTS)	5 ECTS out of:	5 ECTS out of:
	Fraud Examination (5 ECTS)	Business Analysis and Valuation (5 ECTS)
	Financial Instruments: analysis and valuation (5 ECTS)	Market Microstructure, Strategy, Execution and Dealing Room Simulations (5 ECTS)
	3rd SEMESTER	
5th TEACHING PERIOD	5th TEACHING PERIOD	5th TEACHING PERIOD
Business Analysis and Valuation (5 ECTS)	Business Analysis and Valuation (5 ECTS)	Banking (5 ECTS)
6th TEACHING PERIOD	6th TEACHING PERIOD	6th TEACHING PERIOD
Direct Taxation and Tax Planning (5 ECTS)	Money and Capital Markets (5 ECTS)	Financial Econometrics (5 ECTS)
	4th SEMESTER	
7th TEACHING PERIOD	7th TEACHING PERIOD	7th TEACHING PERIOD
5 ECTS out of:	5 ECTS out of:	5 ECTS out of:
Corporate Governance (5 ECTS)	Financial Derivatives (5 ECTS)	Computational Finance with Python (5 ECTS)
Modern Types of Financing (5 ECTS)	Corporate Governance (5 ECTS)	Modern Types of Financing (5 ECTS)
Accounting Information Systems and Internal Control (5 ECTS)	Modern Types of Financing (5 ECTS)	Data Visualization with Business Intelligence Tools (5 ECTS)
Capital Taxation (5 ECTS)	Data Visualization with Business Intelligence Tools (5 ECTS)	Financial Technology and Machine Learning (5 ECTS)
Data Visualization with Business Intelligence Tools (5 ECTS)	Issues of Corporate Sustainability in Accounting and Finance (5 ECTS)	
Issues of Corporate Sustainability in Accounting and Finance (5 ECTS)		
8th TEACHING PERIOD	8th TEACHING PERIOD	8th TEACHING PERIOD
5 ECTS out of:	5 ECTS out of:	5 ECTS out of:
Fraud Examination (5 ECTS)	Behavioral Finance (5 ECTS)	Macro-finance(5 ECTS)
Financial Instruments: analysis and valuation (5 ECTS)	Shipping Finance (5 ECTS)	Behavioral Finance (5 ECTS)
Indirect Taxation (5 ECTS)		Shipping Finance (5 ECTS)
October- July		
Masters Thesis (15 ECTS)		

Final Assessment

The final assessment of each course is normally based either on written or oral examinations or assignments. The final grade for each course is determined by the instructor and may include individual and/or team project assignments in addition to the final exam. Participation in the scheduled exam date, as per the official timetable, is mandatory.

Examination and Performance Assessment Rules

- The examinations grading scale is set from zero (0) to ten (10), half grades are also awarded. The passing grade is five (5) or higher.
- Unexcused absence from a final examination is equivalent to failure in the course
- A student who fails a course is obliged to resit the exam at the end of the next examinations period, in which case their final grade is subject to a penalty, in accordance with the following formula: $\text{final grade} = (\text{exam grade} - 5) \times 0.5 + 5$. In the event of failing a resit exam, the student is considered as having conclusively failed the course. In case a student conclusively fails up to two (2) courses of the program's curriculum, they are entitled to a third resit examination, which takes place in September. The right to a third re-examination is forfeited if a student conclusively fails three or more courses of the program, in which case they are put on temporary academic suspension and are reinstated in the program by reattending all failed courses with the next intake of students. Likewise, if a student fails a course in the September's third resit examination, they are required to reattend the course with the next intake of students. Part-time students must have achieved passing grades in all the first-year courses, in order to progress to the second-year courses. The periods of temporary academic suspension of studies, as defined above, are counted towards the maximum time allowed for the completion of studies, as defined in Article 9, paragraph 8 of the Program's Operating Regulations (Government Gazette 5655, Issue B, 26/09/2023)
- Students may not conclusively fail more than two (2) courses per semester. This limit includes failures resulting from poor grades, unexcused absences from exams, or excessive class absences. In cases of force majeure (e.g., illness, heavy workload), the Departmental Assembly may permit failures exceeding two courses per semester.
- In order to be awarded the Master's degree, students must achieve passing grades in twelve courses, as well as the Master's thesis or internship, in the designated time period, as defined in article 7, paragraph 2 of the Program's Operating Regulations (Government Gazette 5655, Issue B, 26/09/2023). If not, then students are dropped from the program, and are only entitled to a transcript of records for courses successfully attended.

Upon the Coordinating Committee's proposition, the Departmental Assembly may decide to delist a student from the program in the following cases:

- a. They conclusively fail three (3) or more courses per semester.

- b. They exceed the maximum time allowed for completion of studies according to the Program's Operating Regulations.
- c. They fail to meet their financial obligations to the program.
- d. They fall into any kind of academic misconduct e.g. plagiarism, inappropriate behavior or cheating of any kind.
- e. Upon request by the postgraduate student themselves

In case of a student's delisting, tuition fees already paid are not refunded unless otherwise decided by the Departmental Assembly.

Research Laboratories of the Department

The Laboratories' mission is to:

- cover the teaching and research needs of the Department, at both undergraduate and graduate level, as well as to serve the teaching and research needs of other academic departments of AUEB
- cultivate cooperation with other research centers and academic institutions in Greece and abroad, promoting this way teamwork and reciprocity
- organize scientific lectures, seminars, symposia, conferences and other events, publish scientific papers, and invite Greek and foreign renowned scientists and other acclaimed individuals.

Laboratory of Accounting Applications (AISLab)

Chairman: Professor G. Siougle

Scientific Subject: The laboratory relies on Information Technology systems to cover teaching and research needs in the following fields: a) analysis of accounting information systems b) simulation of the operation of the accounting cycle of commercial, industrial, and services sector companies c) information management in decision making processes (both in terms of the internal as well as the external business environment) and d) simulation of the impact of decisions taken.

Location: A 33, 3rd Floor, Antoniadou Wing, Main Building, 76 Patission Str.

Website: -

Laboratory of Applied Finance (FinLab)

Chairman: Professor A. Tsekrekos

Scientific Subject: The laboratory covers teaching and research needs in the fields of: a) analysis and operation of money and capital markets, b) analysis of accounting and financial information for investment decisions, c) simulation of the investment behavior of the agents operating within the framework a stock market and d) simulation of the optimization decisions for a portfolio of primary securities or their derivatives.

Location: 108, 1st Floor, Building of 47A Evelpidon Str. & Lefkados

Website: <https://www.dept.aueb.gr/en/FinLab>

Business Analysis and Valuation Laboratory

Chairman: Professor L. Doukakis

Scientific Subject: The laboratory serves teaching and research needs in the fields of: "Financial Analysis and Business Evaluation", "Fraud Examination", "Auditing" and "Tax Accounting".

Location: 206, 2nd Floor, Building of Troias Street

Behavioral Finance Laboratory (BeFin)

Chairman: As. Professor L. Rompolis

Scientific Subject: The laboratory serves research and teaching needs in the field of "Capital Markets, Money Markets and Investment Behavior" and in particular, on topics related to behavioral finance. Specifically, the scientific subjects of the laboratory include: Prospect Theory & Rationality, Investor Psychology & Heuristics, Predictions & Framing Effects, Herd Behavior, Investor Sentiment, Closed End Fund Puzzle and Dividend Puzzle, Investor Overreaction & Underreaction, the Limits of Arbitrage, Asset Pricing Models and Behavioral Variables, Monetary Policy and Effect on Expectations.

Location: 207, 2nd Floor, Building of Troias Street

Website: <https://befinlab.aueb.wixsite.com/befinlab>

International Shipping, Finance and Management Laboratory (interdepartmental)

Participating Departments:

Department of Accounting and Finance (**Presiding** –School of Business)

Department of Management Science and Technology (School of Business)

Department of International and European Economic Studies (School of Economics)

Chairman: As. Professor D. Tsouknidis

Scientific Subject: The laboratory serves research and teaching needs in the scientific areas of Shipping markets (freight, newbuilding, sale and purchase, demolition, bunker, energy and other markets); Maritime and Port Economics; Shipping Freight Derivatives and Risk Management; Investments and Financial Management; Alternative Sources of Ship Financing; Shipbuilding Finance; Debt Financing; Public and Private Equity markets; Structured Finance; Maritime investment appraisal and budgeting; Financial analysis and modelling of Shipping Investments; Corporate Governance and other topics related to Finance and Management in Shipping and other sectors of the economy.

Location: 207, 2nd Floor, Building of Troias Street

Website: <https://www.dept.aueb.gr/en/isfm>

Personnel of the MSc in Accounting and Finance

The faculty of the MSc in Accounting and Finance consists of Professors, Associate Professors, and Assistant Professors with a rich scientific work, significant number of publications in reputable scientific journals, and working experience in foreign and Greek institutions. The program also employs members of administrative staff.

Director: Professor Georgia Siougla

Members of the Coordinating Committee: Professor Afroditi Papadaki, Associate Professor Leonidas Robolis, Assistant Professor Athanasios Sakkas, Associate Professor Georgios Chalamandaris

Professors

Ballas Apostolos, Ph.D. University of London

Doukakis Leonidas, Ph.D. Athens University of Economics and Business

Drakos Konstantinos, Ph.D. University of Essex

Episkopos Athanasios, Ph.D. State University of New York

Georgoutsos Dimitrios, Ph.D. University of Essex

Kavussanos Emmanouil, Ph.D. City University

Leledakis Georgios, Ph.D. University of Warwick

Papadaki Afroditi, Ph.D. Athens University of Economics and Business

Spyrou Spyridon, Ph.D. Brunel University

Siougla Georgia, Ph.D. Athens University of Economics and Business

Tsekrekos Andrianos, Ph.D. Lancaster University

Associate Professors

Chalamandaris Georgios, Ph.D. Imperial College London
Demirakos Efthimios, Ph.D. Manchester Business School
Karampinis Nikolaos, Ph.D. Athens University of Economics and Business
Staikouras Christos, Ph.D. City University (in suspension of duties)
Rompolis Leonidas, Ph.D. Athens University of Economics and Business
Tsouknidis Dimitrios, Ph.D. Athens University of Economics and Business
Tzovas Christos, Ph.D. Dundee University
Vlismas Orestis, Ph.D. Athens University of Economics and Business

Assistant Professors

Chalevas Konstantinos, Ph.D Athens University of Economics and Business
Karatzimas Sotirios, Ph.D. Athens University of Economics and Business
Katsafados Apostolos, Ph.D. Athens University of Economics and Business
Sakkas Athanasios, Ph.D. Athens University of Economics and Business

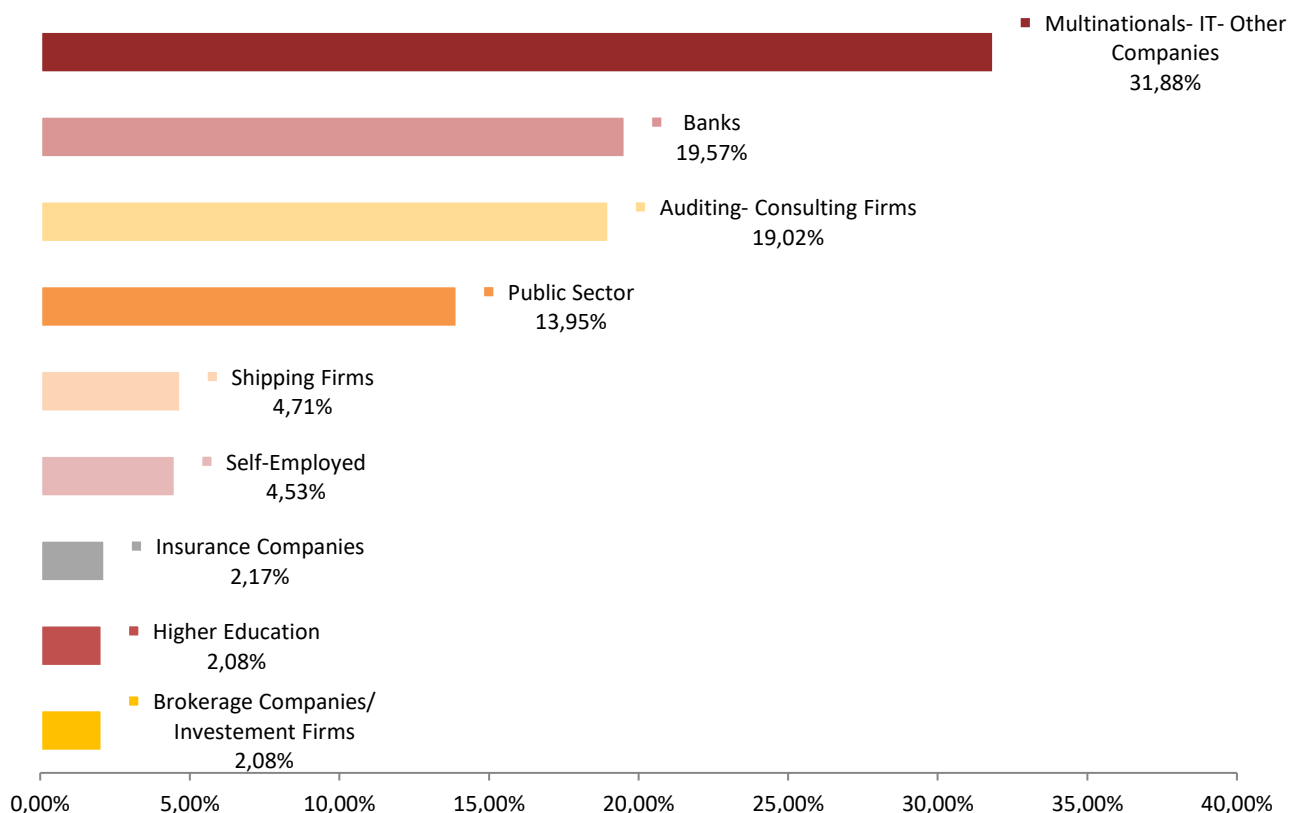
Administrative staff of the Department's Postgraduate Programs

Alexandri Chara, MSc
Choli Kassiani, MSc
Theologou Maria, MSc

Job placement

The program's graduates are highly employable and follow distinguished careers in the private and public sector, in Greece and abroad. It is worth mentioning that a significant proportion of the program's full-time graduates, are being hired well prior to the completion of their studies. The program's graduates are mainly employed as described below:

The Program's Graduates are employed at:



Tuition fees

The program's tuition fees come up to 6.400€ for the full time group of studies and 7.200€ for the part time group of studies. The tuition fees are paid in several installments. Students may be exempt from tuition fees according to the provisions of Law No. 4957/2022, article 86.

International Accreditations of the Program

Graduates of the Master's program are exempt from several units of the professional qualification of the **Association of Chartered Certified Accountants (ACCA)**. More specifically, the program's graduates can get exemptions from up to nine modules of the ACCA qualification. The Graduates will be eligible for exemption as follows:

1	Business and Technology (BT)	On completion
2	Financial Accounting (FA)	On completion
3	Management Accounting (MA)	On completion
4	Corporate and Business Law (LW)	On completion
5	Financial Reporting (FR)	CONSOLIDATED FINANCIAL STATEMENTS (BM71114F/P) FINANCIAL ACCOUNTING II (BM71134F / BM71134P)

6	Financial Management (FM)	CORPORATE FINANCE (BM71136F / BM71136P) FINANCIAL DERIVATIVES: ACCOUNTING AND VALUATION (BM71230F/P)
7	Audit and Assurance (AA)	AUDITING (BM71111) ACCOUNTING INFORMATION SYSTEMS & INTERNAL CONTROL (BM71217)
8	Taxation (TX)	INDIRECT TAXATION (BM71213F / BM71213P) DIRECT TAXATION AND TAX PLANNING (BM71102F / BM71102P)
9	Performance Management	COST ACCOUNTING (BM71119F / BM71119FP) MANAGEMENT ACCOUNTING (BM71110F / BM71110P)

The MSc was also assessed by the **ICAEW - Institute of Chartered Accountants in England & Wales** and was granted the following exemptions of the ACA qualification (upon passing grades in certain courses): Accounting, Assurance, Business and Finance, Financial Management and Management Information. More specifically graduates may be entitled to the following exemptions:

ACA Module	Exemption Criteria
Accounting	Grade greater or equal to 6.0 at the following courses Financial Accounting I or Introduction to accounting + Financial Accounting
Assurance	Grade greater or equal to 6.0 at the following courses Auditing + Accounting Information Systems and Internal Control
Business and Finance	Total GPA greater or equal to 6.0
Financial Management	Grade greater or equal to 6.0 at the following courses Corporate Finance + Financial Derivatives: Accounting and Valuation or Corporate Finance + Financial Derivatives
Management Information	Grade greater or equal to 6.0 at the following courses Cost Accounting Management Accounting

Moreover, the program has been accepted in the **CFA's University Affiliation Program** and is officially listed among top business schools and educational institutions that enjoy the support of CFA (Chartered Financial Analysts). This recognition entitles the program to award up to four (4) CFA Program Awareness Scholarships to students each year.

The MSc also participates in the **ACFE (Association of Certified Fraud Examiners) Anti-Fraud Education Partnership Program**. The Anti-Fraud Education Partnership Program makes it easy for participating universities to offer expert anti-fraud training to their students and provides

universities with high quality educational material, such as workbooks, case studies, videos, and additional resources to further assist instructors with their “Fraud Examination” course.

Last but not least, the Master’s program has been recognized by the **Institute of Internal Auditors (The IIA)** as one of the IIA Internal Audit Awareness Program Schools, thus recognizing its commitment and effort to provide its students with the information and skill sets necessary to choose an internal auditing career path.

Courses' descriptions

Full time program

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71136f	SEMESTER	1 st
COURSE TITLE	Corporate Finance		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>		4	5
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Scientific field		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR235/		

2. LEARNING OUTCOMES

Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i> <i>Consult Appendix A</i> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i>	
After attending the course, the student should be able to calculate the value of investments and securities in an environment of uncertainty. The student will know the basic techniques of investment valuation, bond and stock valuation, the theories of company financing, and their practical application. The student will be able to understand the importance of dividend policy and stock repurchases. Finally, the student will be able to know the main financial models of managing working capital.	
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i>	
Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	.....
Production of new research ideas	Others...
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology Decision-making Working independently Working in an international environment Project planning and management Production of free, creative and inductive thinking

3. SYLLABUS

The course is about the decisions of firms regarding their investments and their financing. Specifically, it focuses on the main techniques of managing long-term investments and covers topics such as project valuation, cost of capital, the relationship between risk and return, market efficiency, dividend policy and stock repurchases, capital structure of companies and working capital.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Use of ICT in teaching Use of ICT in communication with students	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	50
	study and analysis of bibliography	25
	Self-study	50
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written examination at the end of the course, mainly with problem-solving and theoretical questions. Greek. The evaluation criteria are announced to students during the first meeting, and are written on the course web page, along with detailed information about the material they will be examined on.	

5. ATTACHED BIBLIOGRAPHY

- <i>Suggested bibliography:</i> - Episcopos, A. (2014) "Corporate Finance: Theory and Practice", AUEB Publications. - Copeland, T., J.F. Weston, K. Shastri (2005) Financial Theory and Corporate Policy, Pearson, Addison Wesley. - Brealey, R., S. Myers, F. Allen (2006) Principles of Corporate Finance. McGraw- Hill. - Ross, S., R. Westerfield, J. Jaffe (2002) Corporate Finance, McGraw-Hill. - <i>Related academic journals:</i> - Anderson, R. and D. Reeb (2003) "Founding Family Ownership and Firm Performance" Journal of Finance 58(3): 1301-1328. - La Porta, R., F. Lopez-de-Silanes, A. Shleifer, and R. Vishny (1998) "Law and Finance" Journal of Political Economy 106: 1113-1155. - Jensen, M. and W. Meckling (1976) "Theory of the firm, managerial behavior, agency costs and

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71132f	SEMESTER	1 st
COURSE TITLE	Financial Accounting		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	General Background		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR388/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

The aim of the course is to guide students in the area of Financial Reporting.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	.....
Production of new research ideas	Others...
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently or Team work (via the course assignment)
Working in an interdisciplinary environment
Production of new research ideas
Respect for difference and multiculturalism

Showing social, professional and ethical responsibility and sensitivity to gender issues
Criticism and self-criticism
Production of free, creative and inductive thinking

3. SYLLABUS

Key components of financial reporting are discussed:

- Financial Reporting and Accounting Standards
- Conceptual Framework for Financial Reporting
- Statement of Financial Position and Statement of Cash Flows
- Cash and Receivables
- Valuation of Inventories
- Depreciation, Impairment and Depletion
- Intangible Assets
- Investments-Financial Instruments- IFRS 9
- Revenue Recognition
- Accounting for Leases
- Case Studies

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Eclass MsTeams Platform	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	75
	Self Reading	50
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written Exams:100% <	

5. ATTACHED BIBLIOGRAPHY

Intermediate Accounting : IFRS Edition (3rd edition) Kieso, Weygandt, Warfield

Students are also provided with lecture slides, case studies, research articles. All this material is available on the eclass platform

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71133f	SEMESTER	1 st
COURSE TITLE	Financial Accounting I		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Compulsory		
PREREQUISITE COURSES:	-		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR422/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

The course aims to familiarize students with issues of Financial Accounting Theory and Practice. Emphasis is given to the accounting framework, income recognition and assets measurement. The valuation rules are based on current (Greek and International) Accounting Standards. To follow the course students should be familiar with the basic principles and concepts of Financial Accounting.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	.....
Production of new research ideas	Others...
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Criticism and self-criticism Production of free, creative and inductive thinking

3. SYLLABUS

- Conceptual and regulatory framework of Financial Accounting.
- Revenue recognition and measurement (revenues from: the sale of goods, rendering of services, interest, and dividends).
- Revenues from construction contracts.
- Accounting for non-current tangible and intangible assets: Initial recognition, depreciation, impairment, valuation after initial recognition.
- Accounting for borrowing costs.
- Accounting for government grants.
- Accounting for inventories: Initial recognition, measurement, and valuation after initial recognition.
- Accounting for biological assets: Initial recognition, measurement, and valuation after initial recognition.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	<i>Face-to-face,</i>	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	<i>Use of ICT in teaching, laboratory education, communication with students</i>	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	24
	Interim exams	4
	Study and analysis of bibliography	97
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The evaluation of students is done with written examinations that take place after the end of the course (75 %) and interim exams conducted during the course through the e-class platform of the course with multiple choice questions (25%). The scale of marking is 0-10. The average grade of a student in interim and final exams should be above 5 out of 10. The minimum passing grade is 5	

5. ATTACHED BIBLIOGRAPHY

Basic 1. Μπάλλας, Α. και Χέβας, Δ., «Λογιστική: Χρηματοοικονομικές Αναφορές σύμφωνα με τα Ελληνικά και τα Διεθνή Πρότυπα», Α' Έκδοση, Μπένος, 2022. (in Greek) 2. Δ. Χέβας, Χρηματοοικονομική Λογιστική, σημειώσεις παραδόσεων αναρτημένες στο e-class. (in Greek) Additional 1. K. Anderson, K. Leo, R. Picker, J. Loftus, K. Clark & V. Wise, "Applying International Financial Reporting Standards", 2nd edition, Wiley, 2009. 2. Spiceland, J.D., Sepe, J.F. and Nelson, M.W., Intermediate Accounting, 7 th edition, McGraw-Hill Irwin, 2013. 3. Stolowy, H., Lebas, M.J. and Ding, Y, Financial Accounting and Reporting: A Global Perspective, 3rd edition, South-Western Cengage Learning, 2010. 4. Donald E. Kieso, Jerry J. Weygandt, Terry D. Warfield, Intermediate Accounting: IFRS Edition, 3rd Edition, 2018.	
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Academic journals:
 -European Accounting Review,
 - The Accounting Review
 - International Journal of Accounting
 - Journal of Accounting Research

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71123f	SEMESTER	1 st
COURSE TITLE	Data Analysis in Accounting and Finance		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	General background		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR366/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

The course will make it possible for participants to acquire a clear understanding of the basic tools of econometric analysis and how to apply them in practice in order to reach valuable conclusions on a variety of problems. They will be able to conduct an independent econometric analysis, which is particularly important for their master thesis. In particular, on completing the course participants will be able to:

- Construct an econometric model, estimate its parameters and conduct statistical inference on them.
- Examine the adequacy of the model and its goodness-of-fit.
- Generalize the original model, if necessary, in various directions.
- Use the model to obtain predictions of key economic and financial variables.
- Understand the notion of heteroscedasticity and autocorrelation and how these two properties can be modeled (or taken into account) when conducting an econometric analysis.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations

Project planning and management
Respect for difference and multiculturalism
Respect for the natural environment
Showing social, professional and ethical responsibility and

Decision-making	sensitivity to gender issues
Working independently	Criticism and self-criticism
Team work	Production of free, creative and inductive thinking
Working in an international environment	.....
Working in an interdisciplinary environment	Others...
Production of new research ideas	.....
Search for, analysis and synthesis of data and information, with the use of the necessary technology	
Adapting to new situations	
Decision-making	
Working independently	
Team work	
Working in an international environment	
Working in an interdisciplinary environment	
Production of new research ideas	
Criticism and self-criticism	
Production of free, creative and inductive thinking	

3. SYLLABUS

This course can be considered as an introduction to Econometrics. Its aim is to present the basic theory Econometrics and how this can be rigorously applied to a variety of problems arising from Economics, Finance and Business Administration. Topics to be covered include the simple and multiple linear regression models, parameters estimation using least squares and the basic tools of statistical inference (hypothesis tests and confidence intervals). The course also studies a number of methods that examine the adequacy of an econometric model based on measures of fit, forecasting accuracy and residual analysis. Finally, it examines the notion of heteroscedasticity and autocorrelation and suggests various ways to deal with them. In this course, econometric theory is combined with econometric practice by showing its use with software package EViews.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Use of ICT in: • Teaching: PowerPoint, Excel, Eviews • Laboratory education: Excel, Eviews • Communication with students: E-class, E-mail	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	36
	Tutorials	9
	Independent study	80
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible</i>	The evaluation procedure includes a written exam at the end of the. The final written exam consists of multiple choice questions and problems. The evaluation language is Greek. The evaluation criteria are mentioned to the students during the first lecture and are accessible in the course summary posted in the E-class.	

to students.	
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5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Griffiths, Hill and Lim, "Principles of Econometrics", 5th edition, Wiley.
- Wooldridge, "Introductory Econometrics: A Modern Approach", 6th edition, Cengage Learning.
- Gujarati and Porter, "Basic Econometrics", 5th edition, McGraw Hill.
- Vogelpang, "Econometrics: Theory and Applications with EViews", 1st edition, Prentice Hall.

- Related academic journals: Journal of Econometrics, Journal of Financial Econometrics, International Journal of Forecasting, Journal of Time Series Analysis.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71134f	SEMESTER	1 st
COURSE TITLE	Financial Accounting II		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)			

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

The aim of this course is to thoroughly present and analyze Financial Accounting theory and practice by assigning emphasis on the recognition and measurement of revenues and specific classes of assets and liabilities. The abovementioned topics are approached based on both IFRS and Greek Accounting Standards.

Students having successfully attended the course will acquire knowledge regarding the theoretical framework of Financial Accounting.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and

Decision-making	sensitivity to gender issues
Working independently	Criticism and self-criticism
Team work	Production of free, creative and inductive thinking
Working in an international environment	.....
Working in an interdisciplinary environment	Others...
Production of new research ideas	.....

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently

3. SYLLABUS

- Statement of Cash Flows
- Basic and Diluted Earnings per Share
- Leasing. Lease liabilities under IFRS 16. Reassessment of the lease liability. Lessee accounting. Lessor accounting. Manufacturer/dealer lessors
- The accounting treatment of equity investments

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Use of ICT in teaching and communication with students	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	36
	Fieldwork	36
	Self- - Study	53
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Language of evaluation: Greek Final exam: 100%	

5. ATTACHED BIBLIOGRAPHY

- *Suggested bibliography:*
Δ.Γκίκας, Α.Παπαδάκη, Γ.Σιουγλέ, Ε. Δεμοιράκος, Χ.Τζόβας, **Χρηματοοικονομική Λογιστική, International Financial Reporting Standards, Ε' Έκδοση**, Εκδόσεις Ε. Μπένου, 2016.
- Kieso, D.E., Weygandt, J.J. and Warfield, T.D., 2018. **Intermediate Accounting**, IFRS edition.
- *Related academic journals:*

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71102f	SEMESTER	1 st
COURSE TITLE	Direct Taxation and Tax Planning		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Compulsory, Special Background: Accounting		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR245/ (part time) & https://eclass.aueb.gr/courses/LOXR280/ (full time)		

2. LEARNING OUTCOMES

Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i> <i>Consult Appendix A</i> • Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area • Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B • Guidelines for writing Learning Outcomes			
The aim of the course is to introduce the student to the concept and techniques of income taxation and tax planning of business entities. Upon successful completion of the course the student will be (a) familiar with the whole theory of tax planning and deferred taxation (b) aware of the tax law regarding the determination of the taxable income of a business entity (c) able to determine the tax liabilities of a business entity (d) able to perform accounting entries to determine the result, settle tax liabilities and distribute the profits of a business entity.			
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top;"> <i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i> </td><td style="vertical-align: top;"> <i>Project planning and management</i> <i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> <i>.....</i> <i>Others...</i> <i>.....</i> </td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i>	<i>Project planning and management</i> <i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> <i>.....</i> <i>Others...</i> <i>.....</i>
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i>	<i>Project planning and management</i> <i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> <i>.....</i> <i>Others...</i> <i>.....</i>		
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and</i>		

<i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i>	<i>Respect for differences</i> <i>Respect for the nature</i> <i>Showing social, profes</i> <i>sensitivity to gender</i> <i>Criticism and self-crit</i> <i>Production of free, cr</i> <i>Others...</i>
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3. SYLLABUS

<u>Tax Planning</u> (a) Income tax expense, current tax and deferred tax (b) Approaches to determining deferred tax (c) International Accounting Standard 12 "Income Tax • Temporary differences (taxable and deductible) • Tax Base (of assets and liabilities) • Recognition and presentation of deferred tax assets and liabilities (d) Compilation of accounting and tax basis reconciliation table <u>Direct Taxation</u> 1. Basic concepts (tax subject, tax object, tax residence, tax year) 2. Personal Income Taxation (a) sources of income (income from salaried services, income from business activity, income from capital and income from capital transfer capital); (b) calculation and return of tax – withholding tax at source. 3. Income Taxation of Legal Persons & Legal Entities (a) Basic concepts (subject of tax, object of tax, taxable income) (b) Accounting vs. Taxable Income (c) Determination of Taxable Income and Income Tax (d) Deductible and Non-Deductible Expenses. Scientific and Technological Research Expenditures. Tax Depreciation. Measurement of inventories. Bad Claims. (e) Losses carried forward (f) Intra-group dividends & intra-group transactions (g) Undercapitalization (h) Transfer of Functions (i) Contribution of Assets for Securities – Exchange of Securities (j) Mergers and Demergers. Liquidation 4. Pricing of Intragroup Transactions

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face to Face	
<i>Face-to-face, Distance learning, etc.</i>		
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	Use of ICT in teaching, laboratory education, communication with students	
<i>Use of ICT in teaching, laboratory education, communication with students</i>		
TEACHING METHODS	<i>Activity</i>	<i>Semester workload</i>
<i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Lectures	24
	Study and analysis of bibliography	101
	Course total	125

STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Students are evaluated by written exams that take place after the lectures have been completed. The exams are conducted in the Greek language with open-answer questions The evaluation criteria are on the course website
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5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

1. Χέβας, Δ., **Θέματα Φορολογικής Λογιστικής**, 6^η Έκδοση, Μπένου, 2017
2. Anderson, K., Leo, K., Picker, R., Loftus, J., Clark, K. and Wise, V., **Applying International Financial Reporting Standards**, Wiley, 2009

- Related academic journals:

1. The Accounting Review
2. The International Journal of Accounting
3. National Tax Journal

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71119f	SEMESTER	1 st
COURSE TITLE	Cost Accounting		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Cost accounting is a mandatory special background course.		
PREREQUISITE COURSES:	THERE IS NO PREREQUISITE COURSES		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR285/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix

B Guidelines for writing Learning Outcomes																			
Upon the successful completion of the course, students will be able to understand: 1. Cost concepts and terms such as the cost of raw materials, direct labor, general industrial costs and cost accounting for the calculation of production costs in the context of mainly industrial enterprises. 2. Features and how to track the cost of enterprise products for firms that produce either on-demand or within the context of mass-production. 3. The way in which business cost systems are organized to collect costs and relate indirect costs to products. 4. Costing methods (job order costing and process costing) and techniques (absorption and direct costing). 5. Cost allocation and reallocation. Joint product costing. 6. Standard costing and variances analysis.																			
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table> <tr> <td><i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i></td><td><i>Project planning and management</i></td></tr> <tr> <td><i>Adapting to new situations</i></td><td><i>Respect for difference and multiculturalism</i></td></tr> <tr> <td><i>Decision-making</i></td><td><i>Respect for the natural environment</i></td></tr> <tr> <td><i>Working independently</i></td><td><i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i></td></tr> <tr> <td><i>Team work</i></td><td><i>Criticism and self-criticism</i></td></tr> <tr> <td><i>Working in an international environment</i></td><td><i>Production of free, creative and inductive thinking</i></td></tr> <tr> <td><i>Working in an interdisciplinary environment</i></td><td>.....</td></tr> <tr> <td><i>Production of new research ideas</i></td><td><i>Others...</i></td></tr> <tr> <td></td><td>.....</td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>	<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>	<i>Decision-making</i>	<i>Respect for the natural environment</i>	<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>	<i>Team work</i>	<i>Criticism and self-criticism</i>	<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>	<i>Working in an interdisciplinary environment</i>		<i>Production of new research ideas</i>	<i>Others...</i>		
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>																		
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>																		
<i>Decision-making</i>	<i>Respect for the natural environment</i>																		
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>																		
<i>Team work</i>	<i>Criticism and self-criticism</i>																		
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>																		
<i>Working in an interdisciplinary environment</i>																			
<i>Production of new research ideas</i>	<i>Others...</i>																		
																			
During the course, students will be able to develop/enhance the following general competences: 1. Search for, analysis and synthesis of data and information, with the use of the necessary technology. 2. Adapting to new situations. 3. Decision-making. 4. Working independently. 5. Teamwork. 6. Production of free, creative and inductive thinking.																			

3. SYLLABUS

The goal of the course is to introduce students to the content of Cost Accounting. More specifically, this course attempts to explain students: 1. The determinants of cost of production (raw materials, direct labour and overheads). 2. Different costing methods (job order and mass production). 3. Alternative costing techniques (full cost, variable cost and standard cost). 4. The allocation and reallocation of overheads. 5. The break even point analysis and the costing of joint products and by – products. 6. Standard costing and variances analysis.
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4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face to Face	
<i>Face-to-face, Distance learning, etc.</i>		
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	ICT is used in teaching and in communication with students. MS PowerPoint is employed to teach various topics and the communication with student is realised through e-mails, teams meetings, etc.	
<i>Use of ICT in teaching, laboratory education, communication with students</i>		
TEACHING METHODS	<i>Activity</i>	<i>Semester workload</i>
<i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the</i>	Classroom Lectures	32
	Independent Study	65
	Field training exercise	8
	Study and Analysis of Bibliography	20
	Course total	125

<i>principles of the ECTS</i>	
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written examination at the end of the semester (100%). Language of evaluation: Greek Methods of evaluation: summative or conclusive, problem solving, open-ended questions. Evaluation criteria are provided via course's e class.

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:
 Horngren, C.T., Bhimani, A., Datar, S.M. and Foster, G. (2005). Management and cost accounting. Prentice Hall, 5TH eds.
 Hevas, D. Ballas A. and Vlismas O. (2020) Cost accounting, Benos Edition, 3rd eds.
 - Related academic journals:
 Management Accounting Research, The Journal of Management Accounting Research

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71135f	SEMESTER	1 st
COURSE TITLE	Financial Econometrics		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised background		
PREREQUISITE COURSES:	Quantitative methods		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR164/		

2. LEARNING OUTCOMES

Learning outcomes
The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.
 Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix

B																			
Guidelines for writing Learning Outcomes																			
The course aims to provide an in-depth understanding of the main concepts, issues and practices regarding the field of financial econometrics. It introduces students to the main models, while demonstrating their usefulness for conducting empirical analysis in financial applications. In the process, the students become familiar with the various econometric tools and acquire the necessary skills for analyzing financial time series. Upon completion of the course, the students - will have acquired a unified perspective regarding the analysis of financial time series and models. - will be able to determine the appropriate tools for dealing with specific time series - Will be able to use these tools for the implementation of complex trading strategies.																			
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table border="0"> <tr> <td><i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i></td><td><i>Project planning and management</i></td></tr> <tr> <td><i>Adapting to new situations</i></td><td><i>Respect for difference and multiculturalism</i></td></tr> <tr> <td><i>Decision-making</i></td><td><i>Respect for the natural environment</i></td></tr> <tr> <td><i>Working independently</i></td><td><i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i></td></tr> <tr> <td><i>Team work</i></td><td><i>Criticism and self-criticism</i></td></tr> <tr> <td><i>Working in an international environment</i></td><td><i>Production of free, creative and inductive thinking</i></td></tr> <tr> <td><i>Working in an interdisciplinary environment</i></td><td>.....</td></tr> <tr> <td><i>Production of new research ideas</i></td><td><i>Others...</i></td></tr> <tr> <td></td><td>.....</td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>	<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>	<i>Decision-making</i>	<i>Respect for the natural environment</i>	<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>	<i>Team work</i>	<i>Criticism and self-criticism</i>	<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>	<i>Working in an interdisciplinary environment</i>		<i>Production of new research ideas</i>	<i>Others...</i>		
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>																		
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>																		
<i>Decision-making</i>	<i>Respect for the natural environment</i>																		
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>																		
<i>Team work</i>	<i>Criticism and self-criticism</i>																		
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>																		
<i>Working in an interdisciplinary environment</i>																			
<i>Production of new research ideas</i>	<i>Others...</i>																		
																			
Search for, analysis and synthesis of data and information, with the use of the necessary technology Decision-making Working independently or Team work (via the compulsory assignment that can be conducted individually or in pairs) Working in an international environment Respect for difference and multiculturalism Showing social, professional and ethical responsibility and sensitivity to gender issues Production of free, creative and inductive thinking																			

3. SYLLABUS

The course deals with methods of analysis of financial time series. It includes the following topics: - Difference equations, solutions, stability. - Stochastic processes – Definitions and properties. - Stationarity, ergodicity, properties. - Mean equation models– ARMA - Lag operator- characteristic polynomial. - Autocorrelations, Yule-Walker equations. - Impulse Response Function, Wold theorem. - Stationarity, invertibility. - Prediction, Filtering, Smoothing. - Box-Jenkins identification protocol. - Estimation methods (Least-squares, Maximum-likelihood, Yule-Walker). - Diagnostic tests (Portmanteau tests, Box-Pierce, Ljung-Box, Jarque-Berra). - Heteroskedasticity, Conditional Variance models – GARCH, EGARCH, GJR and variations. - Multivariate models - VAR / VECM – Causality analysis and cointegration. Use of these methods for arbitrage strategies. - Multivariate GARCH models – Application for hedging strategies.
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4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in the teaching of the course, as well as in the communication with the students. The course is conducted in the class or through distance learning methods. Students are taught how to use R, Matlab and Eviews for conducting econometric analyses.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	24
	Case study	12
	Lab practice	11
	Project	28

<i>bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>		
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written examination in the laboratory (70%) and 3 exercises (30%) delivered during the two-month period. The project is designed to test students on their problem-solving abilities and on their reporting/submitted written work, backed up by computations/estimations. The written examination is a combination of multiple-choice questions, open-ended questions and problems to be solved. The evaluation criteria are communicated to the students in the first lecture and are also available online at the course's eclass page.	

5. ATTACHED BIBLIOGRAPHY

<i>- Suggested bibliography:</i> • Time Series Analysis and Its Applications with R Examples, Shumway and Stoffer. • Time series for Macroeconomics and Finance, Cochrane. • Financial Econometrics: From Basic to Advanced Modelling Techniques, Rachev and Fabozzi • Financial Time Series Analysis, R. Tsay. <i>-Related academic journals:</i> • Selected articles from Journal of Empirical Finance • Journal of Econometrics • Journal of Forecasting • Econometrica

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71126f	SEMESTER	1 st
COURSE TITLE	Banking		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
LECTURES		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>		4	5
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	SPECIAL BACKGROUND		
PREREQUISITE COURSES:	NO		

LANGUAGE OF INSTRUCTION and EXAMINATIONS:	ENGLISH
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR441/

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

Students after completing this course should be familiar with:

1. Knowledge of the reasons for the existence of financial intermediaries
2. Understanding the financial statements of financial institutions
3. Asset – Liability management: managing interest rate risk – Gap analysis, Duration gap analysis, liquidity management.
4. Understanding the credit policies of financial institutions – measuring the exposure to credit risk
5. Policies for the off-balance sheet items – securitizations
6. The Capital Adequacy Directives
7. Understanding the strategic policies of Financial Institutions – Merger & Acquisition decisions
8. Understanding the new trends in Banking and the FinTech companies

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Project planning and management

Adapting to new situations

Decision-making

Working in an international environment

Production of new research ideas

3. SYLLABUS

1. Reasons for the existence of financial intermediaries
2. The financial statements of financial institutions
3. Asset – Liability management: managing interest rate risk – Gap analysis, Duration gap analysis, liquidity management.
4. The credit policies of financial institutions – measuring the exposure to credit risk
5. Policies for the off-balance sheet items – securitizations
6. The Capital Adequacy Directives
7. The strategic policies of Financial Institutions – Merger & Acquisition decisions
8. New trends in Banking and the FinTech companies

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	https://eclass.aueb.gr/courses/LOXR441/	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay</i>	Activity	Semester workload
	Lectures	125

writing, artistic creativity, etc.		
The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS	Course total	(5x25)=125
STUDENT PERFORMANCE EVALUATION Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	The evaluation is based on the final exams (weight 100%). The exams consist of two parts. The 1 st consists of multiple choice questions while the 2 nd is a problem solving section.	

5. ATTACHED BIBLIOGRAPHY

Recommended reading:

- 1) Greenbaum, S., Thakor, A., Boot, A., 2019. Contemporary Financial Intermediation, 4th ed., Academic Press
- 2) Casu, B., Girardone, C., Molyneux, P., 2018, Εισαγωγή στη Τραπεζική, εκδ. Τζιόλα
- 3) A. Saunders , M. Cornett , 2018, Διοίκηση Χρηματοπιστωτικών Ιδρυμάτων και Διαχείριση Κινδύνων, Broken Hill Pub
- 4) Heffernan S., 2005, Modern Banking, J. Wiley & Sons
- 5) Resti, A., & A. Sironi, 2007, Risk Management and Shareholders' Value in Banking, J. Wiley & Sons
- 6) Sinkey, J., 2002, Commercial Bank Financial Management, 6th ed., Prentice-Hall
- 7) Choudhry, M., 2012, The Principles of Banking, J. Wiley & Sons
- 8) Hull, J., 2018, Risk Management and Financial Institutions, 5th. ed., J. Wiley & Sons
- 9) Mathews, K., Thompson, J, 2005, The Economics of Banking, J. Wiley & Sons.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71101f	SEMESTER	1 st
COURSE TITLE	Money and Capital Markets		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	
Studying and literature review		8	
Project / Assignment / Essay		2	
			5
COURSE TYPE	Specialised general knowledges		
PREREQUISITE COURSES:	NONE		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		

COURSE WEBSITE (URL)		https://eclass.aueb.gr/courses/LOXR163/
2. LEARNING OUTCOMES		
Learning outcomes		
This course examines the most important issues in the theory and practice of modern portfolio management. Topics include efficient capital markets, risk and return, asset pricing models, valuation, equity portfolio management strategies, bond portfolio management strategies, the professional asset management industry, evaluation of portfolio performance, main investment decision biases, investor contrarian and momentum strategies, and herd behavior. • Be able to measure and assess the risk and return of a portfolio of assets and understand how risk affects the valuation of assets in equilibrium • Have an understanding of the fundamentals of equity securities and the main issues in equity portfolio management strategies • Have an understanding of the fundamentals of fixed income securities and the main issues in bond portfolio management strategies • Be able to explain the main issues and concepts of behavioral finance and its implications for portfolio management • Have an understanding of the professional asset management industry and the main methods of evaluating portfolio performance Be able to understand, describe, and differentiate between different economic paradigms and financial situations, and be able to understand the structure and interaction of financial factors and modern capital markets. Be able to synthesize the knowledge acquired from the course and apply critical analysis and thinking to real financial situations.		
General Competences		
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology, Teamwork, Working in an international environment</i>		
3. SYLLABUS		
• Stock Markets: The investment background and setting; the asset allocation decision; selecting investments in a global market; main securities markets and indexes; initial public offerings (IPOs); why firms go public and IPOs come in waves; asset classes, indexes and benchmarks; investment banks and institutional investors. • Risk & Return: Portfolio theory and multifactor asset pricing models; Efficient capital markets; valuation techniques. Fundamental (valuation methods, P/E, ratio analysis, etc) and technical analysis (Dow Theory, Support & Resistance, Moving Average, Relative Strength Indicators, Advance/Decline Ratio, Short Selling, Gaps, etc). • Active vs passive portfolio management strategies; equity investment style grid (value & growth, small & large, contrarian & momentum, etc); strategic and tactical asset allocation. Evaluating portfolio performance (Sharpe ratio, Treynor ratio, Sortino ratio, Information ratio, etc). • Bond Markets: Definitions, Pricing, Duration, Convexity, Credit Default Swaps, Securitization, Catastrophe Bonds, Structured Bonds, Credit Rating. • Derivative Markets: Swap Markets, Interest rate swaps, currency swaps, pricing; Futures Markets, Forward and futures contracts. Differences, trading, and pricing; Options Markets, Options Contracts, calls, puts; trading and pricing. • Market efficiency, arbitrage; market puzzles and theoretical inconsistencies (equity premium puzzle, closed end fund puzzle, dividend puzzle, contrarian and momentum strategies, the value anomaly, etc).		
4. TEACHING and LEARNING METHODS - EVALUATION		
DELIVERY.	<i>Face-to-face</i>	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	<i>Use of ICT in teaching, communication with students</i>	
TEACHING METHODS	Activity	Semester workload
	<i>Lectures,</i>	36
	<i>study and analysis of bibliography</i>	60
	<i>project, essay writing</i>	29
	Course total	125
STUDENT PERFORMANCE EVALUATION		
Language: Greek		
Evaluation:		

	Final Written Exam: (70%) Written Assignment and Public Presentation: (30%)
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5. ATTACHED BIBLIOGRAPHY

Indicative Bibliography:

Brealey, R. A., Myers, S.C., Allen, (2020) "Principles of Corporate Finance", McGraw Hill, Inc.
 Fabozzi, F. (2016) Bond Markets, Analysis, and Strategies, 9th Edition, 2016, Pearson
 Hull J.C. (2000), Options, Futures, & Other Derivatives, 4th ed. Prentice Hall International
 Malkiel, B. A Random Walk Down Wall Street, 5th College Ed. New York: W.V. Norton.
 Radcliffe, R.C. (1996) "Investment, Concepts, Analysis and Strategy" Addison Wesley.
 Shapiro, A. (1992) Multinational Financial Management, 4th ed., Allyn & Bacon, USA
 Α. ΚΑΝΑΣ, Αρχές Ανάλυσης Επενδύσεων και Χρηματοοικονομικών Αγορών, 2021, Εκδόσεις Μπένου
 ΣΠΥΡΟΥ, Σ., Αγορές Κεφαλαίου και Συμπεριφορά Επενδυτή, (2022), Εκδόσεις Μπένου
 Lecture Notes and Research Papers

Indicative related journals:

Journal of Finance
 Journal of Financial Economics
 Journal of Banking and Finance
 International Review of Financial Analysis
 Financial Management
 Journal of Portfolio Management

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71110f	SEMESTER	2 nd
COURSE TITLE	Management Accounting		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR488/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

Upon successful completion of the course students should:

- Analyze the behavior of different cost types and know the different costing systems.
- Make efficient decisions in the short-term, such as retaining or terminating activities, outsourcing decisions, optimizing product mix, and pricing decisions
- Prepare the master budget of an entity and evaluate budget variances.
- Evaluate the performance of decentralized divisions and comprehend the usefulness of Management Accounting for long-term strategic planning.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

Others...

.....

Adapting to new situations

Decision-making

Team work

3. SYLLABUS

Activity-based costing and cost functions

Over-costing and under-costing of products., differences between traditional cost approaches and activity-based costing, activity-based management, estimation of cost functions, non-linear cost functions and learning curves

Short-term decision making

Relevant and non-relevant cost, decisions to terminate or continue ongoing activities, decisions of production or outsourcing, product mix decisions under capacity constraints

Budgeting and variance analysis

Usefulness of budgeting, types of budgets, budget preparation, static and flexible budgets, volume and performance variances, revenue variances

Decentralized management units and divisional performance

Decentralization analysis, intragroup transactions, transfer pricing methods, return on investment ratio, residual income, economic value added

Pricing decisions

Pricing factors, pricing in the short and the long term, target costing, locked in costs, life cycle costing

Qualitative cost factors and balanced scorecard

Just-In-Time inventory system, back-flush costing, theory of constraints, balanced scorecard

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in teaching and in communication with students. MS PowerPoint is used during lectures while several electronic platforms, such as MS Teams, e-class and e-mails, are used in students' communication.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	36
	Assignment	24
	Independent studying	65
	Course total	125
STUDENT PERFORMANCE EVALUATION	At the end of the course, students sit an overall written exam. The	

<i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	exam consists of multiple-choice questions, short-answer questions, and problem-solving exercises. In addition, students have to deliver a team assignment consisting of case studies that use Management Accounting concepts in real-world examples. The overall grade is determined by the following formula: $80\% \times \text{Exam Grade} + 20\% \times \text{Assignment Grade}$ Note: a student is required to receive at least 50% of the corresponding total marks of the exam and the assignment to pass the course.
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5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Dimitras, A., and Ballas, A., (2009): "Management Accounting for planning and control", Gutenberg (in Greek).
- Bhimani, A., Horngren, C., Datar, S., and Rajan, M. (2019): "Management and Cost Accounting", 7th Edition, Prentice Hall.
- Garrison R., Noreen, E., and Brewer, P. (2018): "Managerial Accounting", 16th Edition, McGraw-Hill Erwin.

- Related academic journals:

- Management Accounting Research
- European Accounting Review
- Accounting Forum
- Journal of Management Accounting Research

COURSE OUTLINE

1. GENERAL

SCHOOL		School of Business	
ACADEMIC UNIT		Department of Accounting and Finance	
LEVEL OF STUDIES		Postgraduate	
COURSE CODE		bm71114f	SEMESTER 2 nd
COURSE TITLE		Consolidated Financial Statements	
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>		Compulsory, Special Background: Accounting	
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:		Greek	
IS THE COURSE OFFERED TO ERASMUS STUDENTS		No	
COURSE WEBSITE (URL)		https://eclass.aueb.gr/courses/LOXR333/ (τμήμα μερικής φοίτησης) & https://eclass.aueb.gr/courses/LOXR332/ (τμήμα πλήρους φοίτησης)	

2. Learning Outcomes

Learning Outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described. Consult Appendix</i> • Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area • Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B <i>Guidelines for writing Learning Outcomes</i>																			
<i>The purpose of the course is to introduce students to the accounting techniques used in business combinations. Business combinations mean: (a) absorptions, mergers and splits of companies and (b) the acquisition of a subsidiary. The techniques presented are the following:</i> <i>I. Mergers and Acquisitions</i> <i>(a) Method of Acquisition</i> <i>(b) Method of Redemption and</i> <i>(c) Method of the Society of Rights</i> <i>II. Consolidated Financial Statements</i> <i>(a) Method of Proportionate Consolidation</i> <i>(b) Method of Full Consolidation</i> <i>Then, specific issues in the preparation of the consolidated financial statements are presented (e.g. elimination of intra-group transactions, indirect ownership, mutual ownership between parent and subsidiary)</i> <i>The course concludes with a presentation of the issue of impairment of a cash-generating unit according to International Accounting Standards.</i>																			
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table border="0"> <tr> <td><i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i></td><td><i>Project planning and management</i></td></tr> <tr> <td><i>Adapting to new situations</i></td><td><i>Respect for difference and multiculturalism</i></td></tr> <tr> <td><i>Decision-making</i></td><td><i>Respect for the natural environment</i></td></tr> <tr> <td><i>Working independently</i></td><td><i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i></td></tr> <tr> <td><i>Team work</i></td><td><i>Criticism and self-criticism</i></td></tr> <tr> <td><i>Working in an international environment</i></td><td><i>Production of free, creative and inductive thinking</i></td></tr> <tr> <td><i>Working in an interdisciplinary environment</i></td><td><i>.....</i></td></tr> <tr> <td><i>Production of new research ideas</i></td><td><i>Others...</i></td></tr> <tr> <td></td><td><i>.....</i></td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>	<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>	<i>Decision-making</i>	<i>Respect for the natural environment</i>	<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>	<i>Team work</i>	<i>Criticism and self-criticism</i>	<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>	<i>Working in an interdisciplinary environment</i>	<i>.....</i>	<i>Production of new research ideas</i>	<i>Others...</i>		<i>.....</i>
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>																		
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>																		
<i>Decision-making</i>	<i>Respect for the natural environment</i>																		
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>																		
<i>Team work</i>	<i>Criticism and self-criticism</i>																		
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>																		
<i>Working in an interdisciplinary environment</i>	<i>.....</i>																		
<i>Production of new research ideas</i>	<i>Others...</i>																		
	<i>.....</i>																		
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i>																			

3. SYLLABUS

The purpose of the course is to present and thoroughly analyze the accounting of business combinations. The course material is developed with reference to both International Financial Presentation Standards and Greek Accounting Legislation. At the end of the course the student will be familiar with the accounting techniques of business combinations. At the beginning, the accounting methods for dealing with takeovers, mergers and business divisions are presented (acquisition method, takeover method and joint stock method) Next, the basic techniques for drawing up the consolidated financial statements (proportionate consolidation and full consolidation) are presented Then special issues are presented in the preparation of the consolidated financial statements (e.g. elimination of intra-group transactions, indirect ownership, mutual holdings between parent and subsidiary|) The course concludes with a presentation of the topic of impairment of a cash-generating unit.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to Face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	<i>Use of ICT in teaching, laboratory education, communication with students</i>

TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	24
	Study and analysis of bibliography	101
	Σύνολο Μαθήματος (25 ώρες φόρτου εργασίας ανά πιστωτική μονάδα)	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Students are evaluated by written exams that take place after the lectures have been completed. The exams are conducted in the Greek language with open-answer questions The evaluation criteria are on the course website	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

1. Χέβας, Δ., **Λογιστικά Θέματα Μεγάλων Επιχειρήσεων**, Εκδόσεις Μπένου, 2021.
2. Anderson, K., Leo, K., Picker, R., Loftus, J., Clark, K. and Wise, V., **Applying International Financial Reporting Standards**, Wiley, 2009

- Related academic journals:

3. The Accounting Review
4. The International Journal of Accounting
5. National Tax Journal

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71131f	SEMESTER	2 nd
COURSE TITLE	Financial Derivatives		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:	None		

LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No
COURSE WEBSITE (URL)	Open eClass του Οικονομικού Πανεπιστημίου Αθηνών | Χρηματοοικονομικά Παράγωγα (aueb.gr)

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

The course covers the basic derivative securities, derivative markets and their functions, the pricing of derivative securities via stochastic processes and the risk management of financial positions via derivatives. Computational techniques of pricing derivatives are also covered. Specifically, the students

- will gain a deep understanding of financial derivatives
- will appreciate the role of derivative securities in hedging and risk management
- will be able to price financial derivatives using analytical and numerical methods

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	.....
Production of new research ideas	Others...
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently or Team work (via the course assignment)

Working in an interdisciplinary environment

Production of new research ideas

Respect for difference and multiculturalism

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

3. SYLLABUS

The following topics are covered:

- Futures contracts and hedging
- Forward contracts and pricing
- Swaps
- Options contracts: Characteristics and trading strategies
- Pricing options contracts

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in the teaching of the course, as well as in the communication with the students	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i>	Activity	Semester workload
	Lectures	24
	Project	51

Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc. The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS	Independent work	50
	Course total	125
STUDENT PERFORMANCE EVALUATION Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	The evaluation of the course is conducted via a written examination and a compulsory project. The project revolves around the pricing of exotic options via numerical methods and students can work on it either in teams (pairs) or individually. The project is designed to test students on their problem-solving abilities and on their reporting/submitting written work, backed up by computations/estimations. The written examination is a combination of open-ended questions and problems to be solved. The evaluation criteria are communicated to the students in the first lecture and are also available online at the course's eclass page.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography: - Hull, J. C. (2015) Options, Futures, and Other Derivatives, 9th edition, Pearson - McDonald, R. L. (2013), Derivatives Markets, 9th edition, Prentice Hall - Related academic journals: - Black, F., & Scholes, M. (1973). The pricing of options and corporate liabilities. Journal of Political Economy, 81(3), 637-654. - Merton, R. C. (1973). Theory of rational option pricing. The Bell Journal of Economics and Management Science, 141-183. - Cox, J. C., Ross, S. A., & Rubinstein, M. (1979). Option pricing: A simplified approach. Journal of Financial Economics, 7(3), 229-263. - Longstaff, F. A., & Schwartz, E. S. (2001). Valuing American options by simulation: A simple least-squares approach. The Review of Financial Studies, 14(1), 113-147.	
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COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71105f	SEMESTER	2 nd
COURSE TITLE	Portfolio Analysis and Management		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE	Specialized knowledge		
<i>general background, special background, specialised general</i>			

<i>knowledge, skills development</i>	
PREREQUISITE COURSES:	Financial Management
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR133/

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

On completing the course participants will:

- Have an understanding of the investment process, starting from risk and return characteristics of individual assets and portfolios through to optimal portfolio selection and performance evaluation.
- Understand the determinants of asset prices, asset pricing models and implications of their assumptions on contemporary investment management process.
- Be able to address and tackle issues such as:
 - * Estimation of return, systematic and non-systematic risk of a portfolio
 - * Identification of efficient portfolios
 - * Assessing risk/return preferences of investors and identification of optimal portfolios through the use of utility theory
 - * Application of portfolio performance measures in portfolio evaluation process.
 - * Forming and developing diversification strategies to hedge market risk and reduce company specific risk of a portfolio.
 - * Pricing assets by using asset pricing models
- * Be able to contribute to the shaping, implementation and evaluation of a portfolio management strategy.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>
<i>Decision-making</i>	<i>Respect for the natural environment</i>
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Team work</i>	<i>Criticism and self-criticism</i>
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an interdisciplinary environment</i>	<i>.....</i>
<i>Production of new research ideas</i>	<i>Others...</i>
	<i>.....</i>

All the competences below apply to this course unit:

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Adapting to new situations
- Decision-making
- Working independently and Team-work
- Working in an international environment
- Working in an interdisciplinary environment
- Respect for difference and multiculturalism
- Respect for the natural environment
- Showing social, professional and ethical responsibility and sensitivity to gender issues
- Criticism and self-criticism
- Production of free, creative and inductive thinking

3. SYLLABUS

The following topics are covered in the course unit

• Introduction to investments, Utility function, Portfolio risk and return • Financial Markets, Financial Institutions, The Investment Environment • Market Efficiency • Markowitz: The concept of diversification and the efficient frontier • Markowitz: Riskless lending and borrowing and the efficient set • Capital Asset Pricing Model (CAPM) • Single Index Model (SIM) and Multifactor Models • Arbitrage Pricing Theory (APT) • Portfolio performance evaluation • International diversification

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in teaching, communication with the students, uploading of class material, assignments, etc.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	24
	Study and analysis of bibliography	60
	Interactive teaching	3
	Educational visits	3
	Group Assignment and Essay Writing	35
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The language of student performance evaluation is Greek Assessment takes place through a) examination (80%) and b) optional group assignment (20%). In case students choose not to take the group assignment, the examination counts for 100% of the overall marks. The examination includes mostly problem solving but may also include short-answer questions The evaluation criteria for the examination and the assignment are presented and discussed in the class.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography: • Bodie Z., A. Kane and A. J. Marcus, 'Investments', McGraw Hill • Sharpe, W. F, Alexander, G. J & Bailey, J. V: 'Investments', Prentice-Hall • Reilly F. K. & K. C. Brown, "Investment Analysis and Portfolio Management", Publisher South Western • Jones, C. P, 'Investments, Analysis and Management', Wiley • Elton E. J. and Gruber M. J, "Modern Portfolio Theory and Investment Analysis", John Wiley & Sons. - Related academic journals: Journal of Finance, Review of Financial Studies, Journal of Financial and Quantitative Analysis, Journal of Financial Economics, Financial Analysts Journal, Journal of Applied Corporate Finance, Journal of Portfolio Management, Journal of Investment Management, Financial Management, Journal of Futures Markets, Journal of Derivatives, etc.
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COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71204f	SEMESTER	2 nd
COURSE TITLE	Principles of Corporate Governance		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialized knowledge		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	http://eclass.aueb.gr/courses/LOXR121/		

2. LEARNING OUTCOMES

Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i> <i>Consult Appendix A</i> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i> This course examines corporate governance practices around the world, seeking to understand the differences in systems in different countries and explores policy issues surrounding corporate boards. Upon completion of the course, students will be able to: ▪ understand the process of making financial decisions in modern businesses, ▪ assess the value of business decisions, as well as the business as a whole, ▪ understand economic and financial developments, ▪ read critically the financial press, ▪ make economic and financial analyses that can be used for real-life decisions Skills: ▪ Search, analyze and synthesize data and information related to business decisions ▪ Valuation of investments and businesses ▪ Recognition of the effects of business developments on the stock market ▪ Synthesis of interactions between business decisions, money and capital markets and public sector General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i>
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<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>
<i>Decision-making</i>	<i>Respect for the natural environment</i>
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Team work</i>	<i>Criticism and self-criticism</i>
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an interdisciplinary environment</i>	.....
<i>Production of new research ideas</i>	<i>Others...</i>
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently
Team work
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project planning and management
Criticism and self-criticism
Production of free, creative and inductive thinking

3. SYLLABUS

- An overview of corporate governance: what is corporate governance; how do the definitions of corporate governance differ and what do they have in common; the history of corporate governance; issues in corporate governance.
- Theory of the firm: Complementary perspectives on ownership and governance of the firm.
- The firm as a collection of growth options; the firm as a nexus of contract - market contracting costs versus ownership costs; competition as a governance mechanism; adaptive efficiency and evolution of firm ownership and governance structures.
- Corporate governance around the world: Corporate governance as systems; path dependence in the evolution of corporate ownership and governance; investor protection and corporate governance.
- External disciplinary devices: Corporate governance and stock market listing; corporate governance and bankruptcy; corporate governance, merger and take-overs.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory</i>	

education, communication with students																					
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<table border="1"> <thead> <tr> <th><i>Activity</i></th><th><i>Semester workload</i></th></tr> </thead> <tbody> <tr><td>Lectures</td><td>45</td></tr> <tr><td>Study and analysis of bibliography</td><td>60</td></tr> <tr><td>Interactive teaching</td><td>10</td></tr> <tr><td>Educational visits</td><td>10</td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td>Course total</td><td>125</td></tr> </tbody> </table>	<i>Activity</i>	<i>Semester workload</i>	Lectures	45	Study and analysis of bibliography	60	Interactive teaching	10	Educational visits	10									Course total	125
<i>Activity</i>	<i>Semester workload</i>																				
Lectures	45																				
Study and analysis of bibliography	60																				
Interactive teaching	10																				
Educational visits	10																				
Course total	125																				
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written Exams																				

5. ATTACHED BIBLIOGRAPHY

Suggested bibliography:

Mallin, C., (2010), Corporate Governance, 3rd Edition, Oxford University Press, (Chapter 6 and 9).

Monks, R., and N. Minow, (2008), Corporate Governance, 4th Edition, Wiley, John & Sons, (Chapters 3 and 4).

Tirole J., (2006), The Theory of Corporate Finance, Princeton University Press, (Chapter 1).

Suggested articles:

Bebchuk, L.A., and M.S. Weisbach, (2010), The State of Corporate Governance Research, Review of Financial Studies, 23, 939-961.

Denis, D.K., and J.J. McConnell, (2003), International Corporate Governance, *Journal of Financial and Quantitative Analysis*, 38, 1-36.

Fidrmuc, J., M. Goergen, and L. Renneboog, (2006), Insider Trading, News Releases, and Ownership Concentration, *Journal of Finance* 61, 2931-2973.

Additional bibliography:

Broutas, P., (2004), *Boardroom Excellence*, Jossey-Bass.

Brunner, R.F., (2004), *Applied Mergers and Acquisitions*, Wiley, John & Sons.

Cadbury, A., (2002), *Corporate Governance: A Personal View*, Oxford University Press.

Chew, D.H., (1997), *Studies in Corporate Finance and Governance Systems: A Comparison of the U.S., Japan and Europe*, Oxford University Press.

Chew, D.H., (2000), *The New Corporate Finance*, 3rd Edition, MacGraw Hill Irwin.

Clarke, T., (2004), *Theories of Corporate Governance*, Routledge.

Cole, B.M., (2003), *The New Investor Relations: Expert Perspectives on the State of the Art*, Bloomberg Press.

Frentrop, P., (2002), *A History of Corporate Governance*, Prometheus Amsterdam.

Gaughan, P.A., (2001), *Mergers, Acquisitions, and Corporate Restructurings*, 3rd Edition, Wiley, John & Sons.

Higgins, R.B., and M.W. Begor, (2000), *Best Practices in Global Investor Relations: The Creation of Shareholder Value*, Greenwood Publishing Group.

Kim K., and J.R. Nofsinger, (2003), *Corporate Governance*, Prentice Hall.

Marcus, B.W., and L.W. Sherwood, (2004), *New Dimensions in Investor Relations: Competing for Capital in the 21st Century*, Wiley Frontiers in Finance

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71124f	SEMESTER	2 nd
COURSE TITLE	Modern Types of Financing		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialized general Knowledge		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS	None		

STUDENTS	
COURSE WEBSITE (URL)	http://eclass.aueb.gr/courses/LOXR116/

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Students having successfully attended the course should be able to:

- Discuss the patterns of corporate financing.
- Explain the mechanisms used for factoring.
- Define and explain the activities of venture capitalists.
- Discuss differences between business angels and venture capitalists.
- Identify and explain the organization structure of venture capital.
- Describe the patterns of venture capital investment.
- Calculate the cost of capital for venture capital.
- Explain the design of convertible bonds.
- Estimate the value of convertible bonds.
- Review the most prominent theories of convertible debt financing.
- Define, compare, and contrast the types of leases.
- Identify the reasons for leasing and the reasons for not leasing.
- Calculate the net advantage of leasing and related issues.
- Discuss the important differences of the leasing around the world.
- Categorize merger and acquisitions (M&A) activities based on forms of integration and types of mergers.
- Explain the common motivations behind M&A activity.
- Calculate the estimated post-merger value of an acquirer, and calculate the gains accrued to the target shareholders versus the acquirer shareholders.
- Distinguish and describe pre-offer and post-offer takeover defense mechanisms.
- Explain the mechanisms used to convert on-balance-sheet assets to a securitized asset.
- Describe the key parties involved in a securitization and their roles.
- Illustrate the major forms of asset securitization.
- Understand the prepayment risk on pass-through securities.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

Others...

.....

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

3. SYLLABUS

- An Overview of Corporate Financing
- Factoring
- Venture Capital
- Convertible Bonds
- Leasing (Operating and Financial Leases)
- Mergers & Acquisitions
- Securitization

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Datastream and Worldscope (Refinitiv-Eikon) Python e-class	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	24
	Laboratory practice	18
	Fieldwork	25
	Study and analysis of bibliography	15
	Independent study	40
	Guest lectures	3
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The final grade will be based on a three-hour written examination (Multiple choice questions and problem solving). The evaluation criteria have been posted on e-class.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Andrade, G., M. Mitchell, and E. Stafford, 2001, New evidence and perspectives on mergers, *Journal of Economic Perspectives*, 15, 103-120.
- Berk, J., and P. DeMarzo, 2019, *Corporate Finance*, 5th edition, Pearson.
- Brealey, R., S. Myers, and F. Allen, 2020, *Principles of Corporate Finance, International Edition*, 13th edition, McGraw-Hill.
- Brigham, E.F., and M.C. Ehrhardt, 2014, *Financial Management: Theory and Practice*, 14th edition, South-Western College Publishing.
- De Villepin, P. 2018, *Factors and Actors: A Global Perspective on the Present, Past and Future of Factoring*, Peter Lang.
- DePamphilis, D.M., 2019, *Mergers, Acquisitions and Other Restructuring Activities*, 10th edition, Academic Press.
- Dutordoir, M., C.M. Lewis, J.K. Seward, and C. Veld, 2014, What we do and do not know about convertible bond financing, *Journal of Corporate Finance* 24, 3-20.
- Gompers, P., and J. Lerner, 2001, The venture capital revolution, *Journal of Economic Perspectives*, 15, 145-168.

- Gompers, P., and J. Lerner, 2004, The Venture Capital Cycle, 2nd edition, MIT Press.
 - Hu, J., 2011, Asset Securitization: Theory and Practice, 1st edition, Wiley.
 - Lerner, J., F. Hardyman, and A. Leamon, 2012, Venture Capital and Private Equity: A Casebook, 5th Edition, Wiley, New York.
 - Metrick, A., and A. Yasuda 2010, Venture Capital and the Finance Innovation, 2nd Edition, Wiley.
 - Ross, S.A., R.W. Westerfield, J.F. Jaffe, and B.D. Jordan, 2019, Corporate Finance, 12th edition, McGraw-Hill.
 - Saunders, A., and M. Cornett, 2018, Financial Institutions Management: A Risk Management Approach, 9th edition, McGraw-Hill.
 - Tirole, J., 2006, The Theory of Corporate Finance, Princeton University Press.
 - Walker, T., 2006, Managing Lease Portfolios: How to Increase Return and Control Risk, Wiley.
- Related academic journals:**
- Journal of Finance, Journal of Financial Economics, Review of Financial Studies, Journal of Financial and Quantitative Analysis, Journal of Corporate Finance, Financial Analysts Journal, Journal of Banking and Finance, Quantitative Finance, Review of Corporate Finance Studies, Journal of Applied Corporate Finance.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71228f	SEMESTER	2 nd
COURSE TITLE	Computational Finance with Python		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialized general knowledge		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR194/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Upon successful completion of the course the student:

- can implement a program in Python and use its libraries to analyze financial data, create and evaluate trading strategies.
- will be able to value bond portfolios, extract the term structure of spot and swap interest rates and implement investment strategies with fixed income securities.
- will be able to build optimal investment portfolios and evaluate their performance in relation to the risk they take.

- can evaluate the performance of mutual funds.
 - will be able to price and hedge standardized and exotic derivative products.
 - can implement the basic risk management tools.
- All the above will be accomplished by developing appropriate programs in Python.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>
<i>Decision-making</i>	<i>Respect for the natural environment</i>
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Team work</i>	<i>Criticism and self-criticism</i>
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an interdisciplinary environment</i>	<i>.....</i>
<i>Production of new research ideas</i>	<i>Others...</i>
	<i>.....</i>

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Criticism and self-criticism

Production of free, creative and inductive thinking

3. SYLLABUS

The aim of the course is to provide students with the necessary tools and skills to use Python, and its specialized libraries, in solving financial computational problems. The course teaches how to write a program in Python starting with simple algebraic calculations to more sophisticated tools and libraries. The course covers a wide range of financial applications such as the analysis and processing of financial data, the creation of trading strategies, the valuation and management of fixed income securities portfolios, portfolio optimization, the evaluation of investment strategies, and the pricing and hedging of derivative products.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	This course takes place in the PC lab. Students learn to solve computational financial problems using Python. Use of ICT in: • Teaching: Python • Laboratory education: Python • Communication with students: E-class, E-mail	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	36
	Projects	15
	Independent study	74
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i>	The evaluation procedure includes a written exam at the end of the semester and written assignments. The written examination	

<i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	participates by 70% in the final grade and the written assignments by 30%. The final written exam consists of problems solved through Python programming in the lab. The evaluation language is Greek. The evaluation criteria are mentioned to the students during the first lecture and are accessible in the course summary posted in the E-class.
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5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Rompolis, L., *Computational Finance with Python (Lecture Notes)*, AUEB, 2023.
- Hilpisch, Y., *Python for Finance: Mastering Data-Driven Finance*, O' Reilly, 2018.
- Hilpisch, Y., *Derivatives Analytics with Python*, John Wiley & Sons Ltd, 2015.

- Related academic journals: *Quantitative Finance*, *Journal of Computational Finance*.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71217f	SEMESTER	2 nd
COURSE TITLE	Accounting Information Systems and Internal Control		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
LECTURES / LABORATORY EXERCISES		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	SPECIAL BACKGROUND		
PREREQUISITE COURSES:	NONE		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	ENGLISH		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR175/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Upon completion of the course, students will be able to prepare data flow diagrams and document flowcharts to describe the procedures of the revenue, expenditure and conversion cycles, to realize the importance of the internal control system for the prevention and detection of fraud cases, and to use the ACL audit software.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

Others...

.....

The course aims to provide students with the following general competencies:

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Adapting to new situations
- Decision-making
- Working independently
- Team work
- Working in an international environment (Group project)
- Working in an interdisciplinary environment (Group project)
- Production of new research ideas
- Production of free, creative and inductive thinking

3. SYLLABUS

The course consists of the following sections:

1. Introduction to Transaction Processing
2. Ethics, Fraud and Internal Controls
3. The Revenue Cycle
4. The Expenditure Cycle I: Purchases and Cash Disbursement Procedures
5. The Expenditure Cycle II: Payroll Processing and Fixed Asset Procedures
6. The Conversion Cycle
7. Case Study - Audit Software ACL

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	FACE TO FACE	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	USE OF ICT IN TEACHING, LABORATORY EDUCATION, AND COMMUNICATION WITH STUDENTS	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	28
	Group Project	34
	Independent Studying	55
	Laboratory Practice	8
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions,</i>	The methods of student assessment include a three-hour written examination (comprising multiple choice questions and case studies) [75%], a group project [15%], and laboratory work [10%].	

problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	
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5. ATTACHED BIBLIOGRAPHY

Hall. Accounting Information Systems. South-Western Cengage Learning.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71229f	SEMESTER	2 nd
COURSE TITLE	Capital Taxation		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised knowledge		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/MISC324/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

Upon successful completion of this course, students will be able to:

- Understand the fundamental tax concepts that shape a tax regime.
- Understand how international tax rules influence investment decisions.
- Analyze the alternative tax vehicles for tax planning.
- Evaluate the tax benefits and burdens of maritime industry in an international setting.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

<i>Team work</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an international environment</i>	<i>.....</i>
<i>Working in an interdisciplinary environment</i>	<i>Others...</i>
<i>Production of new research ideas</i>	<i>.....</i>
Search for, analysis and synthesis of data and information, with the use of the necessary technology	
Adapting to new situations	
Decision-making	
Team work	

3. SYLLABUS

WEEK 1 Introduction to Taxation Fundamental tax concepts, Tax rates, Taxable entities, Sources of Income, Deductions, Taxable profits, Loss Carry forwards/Carry backwards WEEK2 International Taxation Tax residency, Domestic income, Worldwide income, Bilateral treaties for the avoidance of double taxation, OECD model double taxation convention WEEK 3 Multinational Enterprises Parent company, Branches, Subsidiaries, Joint ventures, Dividends, Approaches in dividend taxation, Taxation of interest, royalties and financial derivatives WEEK 4 Transfer Pricing Transfer pricing, Advanced Pricing Agreements, OECD guidelines for tax pricing, Tax penalties for transfer pricing manipulation WEEK 5 Offshore Entities Tax heavens, tax loopholes, tax treatment of transactions with companies located in tax heavens, Foreign controlled entities WEEK 6 Shipping taxation Tonnage tax system, domestic and foreign flagged vessels WEEK 7 Value Added Tax (VAT) VAT for enterprises, Territorial Scope, Taxable transactions, VAT exempt transactions WEEK 8 International VAT issues Intra-EU transactions with goods and services, Place of goods delivered, Place of services provided, Special tax exemptions for customs warehousing and shipping entities
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4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in teaching and in communication with students. MS PowerPoint is used during lectures while several electronic platforms, such as MS Teams, e-class and e-mails, are used in students' communication.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning</i>	Activity	Semester workload
	Lectures	36
	Assignment	24
	Independent studying	65
	Course total	125

activity are given as well as the hours of non-directed study according to the principles of the ECTS	
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	At the end of the course, students sit an overall written exam. The exam consists of multiple-choice questions, short-answer questions, and problem-solving exercises. In addition, students have to deliver a team assignment about a topic relevant to OECD international taxation project. The overall grade is determined by the following formula: 80% x Exam Grade + 20% x Assignment Grade Note: a student is required to receive at least 50% of the corresponding total marks of the exam and the assignment to pass the course.

5. ATTACHED BIBLIOGRAPHY

OECD. *Action Plan on Base Erosion and Profit Shifting* (Paris: OECD, 2013).
OECD. *Base Erosion and Profit Shifting Project: 2015 Final Reports, Executive Summaries* (Paris: OECD, 2015).
OECD, Committee on Fiscal Affairs. *Model Tax Convention on Income and on Capital* (Paris: OECD, 2017).
OECD, Committee on Fiscal Affairs. *Transfer Pricing Guidelines for Multinational Enterprises and Tax Administrations* (Paris: OECD, 2017).
Scholes, M., Wolfson, M., Erickson, M., Hanlon, M., Maydew, E., & Shevlin, T. (2016). *Taxes and business strategy: A planning approach* (5th ed.). Prentice Hall.
Miller, A. and Oats, L. (2016). *Principles of International Taxation* (5th ed.) Bloomsbury Professional.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71240f	SEMESTER	2 nd
COURSE TITLE	Issues of Corporate Sustainability in Accounting and Finance		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		

COURSE WEBSITE (URL)	
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2. LEARNING OUTCOMES

Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i> Consult Appendix A • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i>																			
• Define sustainability and sustainable development • Consider the need to maintain our natural environment and the current social and human challenges • Review the 17 UN SDGs • Understand the difference and explain the link between ESG and sustainability • Identify key environmental, social and governance (ESG) risks • Discuss the risks facing organisations due to climate change • Consider the top climate-related risks that organisations face • Explore approaches to address climate-related risk • Financial markets and sustainability considerations • Identify key ESG metrics and performance indicators • Connect sustainability and financial performance • Indicate ways investors may consider ESG issues when selecting investments • Describe the ways sustainability and ESG issues may be measured and accounted for • Identify key issues in sustainability reporting • Consider the financial implications of interconnecting financial and sustainability reporting																			
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table border="0"> <tr> <td><i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i></td><td><i>Project planning and management</i></td></tr> <tr> <td><i>Adapting to new situations</i></td><td><i>Respect for difference and multiculturalism</i></td></tr> <tr> <td><i>Decision-making</i></td><td><i>Respect for the natural environment</i></td></tr> <tr> <td><i>Working independently</i></td><td><i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i></td></tr> <tr> <td><i>Team work</i></td><td><i>Criticism and self-criticism</i></td></tr> <tr> <td><i>Working in an international environment</i></td><td><i>Production of free, creative and inductive thinking</i></td></tr> <tr> <td><i>Working in an interdisciplinary environment</i></td><td><i>.....</i></td></tr> <tr> <td><i>Production of new research ideas</i></td><td><i>Others...</i></td></tr> <tr> <td></td><td><i>.....</i></td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>	<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>	<i>Decision-making</i>	<i>Respect for the natural environment</i>	<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>	<i>Team work</i>	<i>Criticism and self-criticism</i>	<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>	<i>Working in an interdisciplinary environment</i>	<i>.....</i>	<i>Production of new research ideas</i>	<i>Others...</i>		<i>.....</i>
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>																		
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>																		
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<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>																		
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<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>																		
<i>Working in an interdisciplinary environment</i>	<i>.....</i>																		
<i>Production of new research ideas</i>	<i>Others...</i>																		
	<i>.....</i>																		
• Search for, analysis and synthesis of data and information, with the use of the necessary technology • Adapting to new situations • Decision-making • Working independently • Working in an international environment • Working in an interdisciplinary environment • Production of new research ideas • Project planning and management • Respect for difference and multiculturalism • Respect for the natural environment • Showing social, professional and ethical responsibility and sensitivity to gender issues • Criticism and self-criticism																			

3. SYLLABUS

The course deals with how the disciplines of Accounting and Finance contribute to the contemporary societal demands for changes in the way companies organise their economic activities. Such demands are primarily driven by the notion that current economic activity should not undermine the needs of current and future generations for a sustainable natural environment as well as for the protection of social and human rights. Corporate governance is considered a fundamental factor of these changes and, therefore, an integral part of Corporate Sustainability.

Having as starting point these societal demands, this course initially sets the framework within which corporations are expected to operate and identifies the main drivers that lead to a more sustainable business model (e.g., shareholders, stakeholders, regulations). It further addresses key issues related to Sustainable Accounting and Finance (assurance, materiality, risk management, sustainable investment). Finally, it explores current developments in the field of corporate sustainability reporting and how such reporting can be used for decision-making.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in teaching, communication with the students, uploading of class material, assignments, etc.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures and guest lectures	28
	Self study	47
	Project and essay writing	50
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written exams in English (50%) Individual written essay in English (50%) All relevant information is available at the course's page in eclass.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

Laine, M., Tregidga, H., and Unerman, J. (2022) Sustainability Accounting and Accountability, third edition, New York: Routledge.

Sherwood, M. W., & Pollard, J. (2023). Responsible investing: An introduction to environmental, social, and governance investments. Routledge.

- Related academic journals:
Journal of accounting research
The accounting review
European accounting review
Journal of financial economics
Review of financial studies
Financial analyst journal

COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71239f	SEMESTER	2 nd
COURSE TITLE	Data Visualisation with Business Intelligence Tools		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		3 hours x 8 weeks	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	SPECIALISED GENERAL KNOWLEDGE & SKILLS DEVELOPMENT		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR606/		

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

Course-Unit Description

Big data analytics constitutes a valuable tool for informed, data-driven decision-making. By analyzing large volumes of structured and unstructured data, which typically come from different sources, businesses can gain deeper understanding and make more accurate predictions about key metrics.

Modern Data Visualisation tools can immensely contribute to the quick identification and optimal utilization of

the information that big data may infer. Cloud computing services, machine learning and Artificial Intelligence (AI) technologies, programming languages and Natural Language Processing (NLP) are combined to this end, to provide user-friendly software for effective data visualization.

Besides however, the tools to process such a wealth of information, another key dimension that should not be underestimated is the literacy of the business community in effectively deciding on, designing, and delivering the content of the visual communication.

In this line, the aim of this course unit is twofold:

- a) to equip students with the fundamental knowledge on the principles of visual data communication and,
- b) to train them on the Microsoft Power BI application for the creation of interactive data-visualization reports.

This training is hands-on and interactive.

What is Power BI?

Power BI is a Business Intelligence tool by Microsoft for Data Visualisation, with built-in Artificial Intelligence capabilities, tight Excel integration, and pre-built and custom data connectors. It can understand both programming and natural processing language to visualize data and, in combination with a range of AI integrated tools, it provides a user-friendly experience of quick analysis and visualization of information and production of interactive reports.

All these elements work together to turn unrelated sources of data into coherent, visually immersive, and interactive insights. From data in a simple Microsoft Excel workbook, a web-based source, or a collection of cloud-based and on-premises hybrid data warehouses, Power BI allows easy connection to various data sources, cleaning and modeling data without affecting the underlying source, visualize (or discover) what's important, and share interactive reports with any interested party.

Learning Outcomes

With the successful completion of the course unit, participants should be able to:

- Understand the fundamental principles of data visualization.
- Apply principles of visual perception and human cognition to optimize the effectiveness of visual representations.
- Select appropriate chart types and visual encodings to represent different types of data and effectively communicate insights.
- Evaluate and critique existing visualizations to identify strengths, weaknesses, and areas for improvement.
- Understand the ethical considerations and challenges in data visualization, including data privacy, bias, and misinterpretation.
- Design visuals in which the visualised information can be accessible by blind and low-vision individuals.
- Demonstrate proficiency in using Power BI to create and share interactive visual representations of data.
- Apply best practices in data preparation and transformation to ensure the accuracy and integrity of the visualized data.
- Design and create appealing and engaging visualizations that enhance data comprehension and storytelling.
- Analyze and interpret visualizations to extract meaningful insights and patterns from data.
- Utilize interactivity and user-friendly features to enable exploration and interaction with data visualizations.
- Collaborate and work effectively as part of a team to create and present data visualizations.

These learning outcomes equip participants with the knowledge, skills, and techniques needed to effectively analyze, visualize, and communicate data-driven insights to business environments.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

<i>Working in an interdisciplinary environment</i>	<i>Others...</i>
<i>Production of new research ideas</i>	<i>.....</i>
• Analysis and synthesis of data and information, with the use of the necessary technology • Effective communication of information • Brainstorming • Decision-making • Working independently • Team work • Working in an interdisciplinary environment • Project planning and management • Showing social, professional and ethical responsibility • Production of free, creative and inductive thinking • Develop Critical thinking	

(3) SYLLABUS

Thematic Areas covered:

A. Data Visualization Fundamentals

1. Introduction to Data Visualization

- Importance, key concepts and terminology

2. Data Exploration and Preparation

- Data types and structures
- Exploratory data analysis techniques

3. Visual Perception and Design Principles

- Visual perception and cognition
- Gestalt principles and their application
- Color theory and color schemes
- Typography and text in visualizations

4. Visual Encoding Techniques

- Basic and advanced chart types (bar and line charts, scatter plots, heatmaps, treemaps, network graphs etc.)
- Selecting appropriate visual encodings for different data types

5. Storytelling with Data

- Structuring data narratives
- Designing effective data stories
- Using interactivity and animation
- Presenting and communicating data effectively

6. Data Visualization Best Practices

- Avoiding common pitfalls and misconceptions
- Ethical considerations in data visualization
- Ensuring inclusion and accessibility: Producing Data Visuals that are accessible to blind and low-vision individuals.

B. Data Visualisation with Power BI Desktop

1. Introduction to Power BI

- Overview of Power BI and its capabilities
- Understanding the Power BI ecosystem (Power BI Desktop, Power BI Service, Power BI Report Builder, Power BI Mobile)
- Exploring the Power BI user interface
- The Building Blocks in report creation

- Data sources and output Files
- The community of Microsoft Learn and Power BI

2. Data Preparation and Modeling

- Connecting to data sources (Excel, CSV, databases, cloud services, web sources)
- The Power Query Editor Interface
- Using the Applied Steps list
- Merging or appending different Queries (or datasets)
- Modifying datasets in various aspects, Creating customized columns and tables
- Creating new measures; Identifying the right tool (a customised column or a measure?) for different visualisation needs
- Using the Data Analysis Expressions (DAX) and the Power Query (M) Language to solve data analysis problems
- Understanding, Creating and Managing Relationships between different datasets

3. Creating and Formatting Interactive Data Visuals

- Overview of Power BI visualizations and chart types (numerical, categorical, temporal, geospatial and other datatypes)
- Analyze a measure or a column
- Creating and formatting visuals, The Visualizations Pane; The Fields pane; The Formatting pane
- Interaction between different visuals in the same report (drill-through, cross-filtering, bookmarks)
- Dynamic adjustment of the visual output with filters, slicers, tooltips, and other interactive elements
- Using the Analytics pane

4. Artificial Intelligence and other advanced built-in tools

- Use and train the natural language Q&A AI tool to explore and visualize data
- Apply the Quick Insights tool to automatically produce visuals from a dataset
- Implement forecasting and trend analysis
- Visualise the variables of key influence in your data model and measure the degree of influence
- Perform Exploratory Analysis using neural networks visuals
- Automatically detect, visualise and explain Anomalies in data.

5. Managing and Publishing the Report

- Selecting the right arrangement for the report visuals
- Finding and applying Themes
- Managing and Navigating between Report pages
- Make visuals in different pages interact
- Filter Visuals placed in different pages
- Insert objects, such as action buttons, bookmarks, text boxes, pictures, etc.
- Customizing the report view; Mobile vs. Desktop Report Layout
- Publishing and Sharing the Report
- Understanding, creating and using Workspaces and Dashboards
- Create and use template reports

6. Power BI Integration and Advanced Topics

- Integration with other Microsoft tools (Excel, PowerPoint, SharePoint, Teams, etc.)
- Run Python scripts to import data and create visuals
- Understanding security roles and permissions
- Introduction to Power BI Premium features: Use Machine Learning and Cognitive Services with dataflows

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-Face learning	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	- PowerPoint Presentations - Microsoft Power BI Software Educational Material shared via the E-class Platform	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures with hands-on practice	24
	Delivery of a group assignment	51
	Self study	50
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	- Written Examination (50% weight in the final mark) - Assignment (50% weight in the final mark) The marking weights of the exam-paper questions are specified on the exam paper. The marking weights of the group-assignment sections are specified on the analytical description of the assignment.	

5. ATTACHED BIBLIOGRAPHY

Main textbooks - Maslyuk D., 2022. <i>Power BI Data Analyst, Exam Ref PL-300</i>, Microsoft. - Wexler S., Shaffer J., Cotgreave A. 2017. <i>The Big Book of Dashboards: Visualizing Your Data Using Real-World Business Scenarios</i>. John Wiley & Sons Inc. Other textbooks - Bakhshi S. & Wade C., 2021. <i>Expert Data Modeling with Power BI</i>, Packt Publishing Limited. - Healy, K, 2018. <i>Data visualization: a practical introduction</i>. Princeton University Press. - Hyman J., 2022. <i>Microsoft Power BI For Dummies</i>, John Wiley & Sons Inc. - Knaflic C.N., 2015. <i>Telling with Data. A Data Visualization Guide for Business Professionals</i>. John Wiley & Sons Inc. - Rad R. & Etaati L., 2021. <i>The Definitive Guide to Power Query in Power BI and Excel</i>, RADACAD. - Rad R., 2021. <i>Power BI DAX Simplified</i>, RADACAD. - Zavarella L., Lazzeri F., 2021. <i>Extending Power BI with Python and R</i>, Packt Publishing Limited.
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Other references – Academic publications in the area

- Lowe, J., & Matthee, M. (2020). Requirements of data visualisation tools to analyse big data: A structured literature review. In *Responsible Design, Implementation and Use of Information and Communication Technology: 19th IFIP WG 6.11 Conference on e-Business, e-Services, and e-Society, I3E 2020, Skukuza, South Africa, April 6–8, 2020, Proceedings, Part I* 19(pp. 469-480). Springer International Publishing.
- Nash, K., Trott, V., & Allen, W. (2022). The politics of data visualisation and policy making. *Convergence*, 28(1), 3-12.
- Pandey, A. V., Manivannan, A., Nov, O., Satterthwaite, M., & Bertini, E. (2014). The persuasive power of data visualization. *IEEE transactions on visualization and computer graphics*, 20(12), 2211-2220.
- Qin, X., Luo, Y., Tang, N., & Li, G. (2020). Making data visualization more efficient and effective: a survey. *The VLDB Journal*, 29, 93-117.
- Sarker, I. H. (2021). Data science and analytics: an overview from data-driven smart computing, decision-making and applications perspective. *SN Computer Science*, 2(5), 377.
- Shen, L., Shen, E., Luo, Y., Yang, X., Hu, X., Zhang, X., ... & Wang, J. (2022). Towards natural language interfaces for data visualization: A survey. *IEEE transactions on visualization and computer graphics*.
- Wu, A., Wang, Y., Shu, X., Moritz, D., Cui, W., Zhang, H., & Qu, H. (2021). Ai4vis: Survey on artificial intelligence approaches for data visualization. *IEEE Transactions on Visualization and Computer Graphics*.

Relevant Journals:

- Information Visualization, Sage Journals
- IEEE Transactions on Visualization and Computer Graphics (TVCG), IEEE Computer Society
- The Journal of Geovisualization and Spatial Analysis [JGSA], Springer Nature
- Visual Informatics, Open Access

Relevant Websites:

- The Data Visualisation Society
- <https://www.datavisualizationsociety.org>
- Power BI on Microsoft Learn
- <https://learn.microsoft.com/en-us/training/powerplatform/power-bi>
- The Power BI Community (or “the Fabric Community”)
- <https://community.fabric.microsoft.com>

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71242f	SEMESTER	2 nd
COURSE TITLE	Financial Technology and Machine Learning		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge/ Skills development		
PREREQUISITE COURSES:	None, but background in statistics, finance, and programming (e.g., Python) is recommended.		

LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO
COURSE WEBSITE (URL)	To be provided by the MSc

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

Upon successful completion of this course, students will be able to:

- Understand the core technologies driving financial innovation, such as blockchain and robo-advisory.
- Apply machine learning algorithms to real-world financial datasets.
- Evaluate the risks and ethical implications of fintech applications.
- Build and assess predictive models for asset pricing, credit scoring, and algorithmic trading.
- Utilize Python and industry-standard libraries (e.g., Scikit-learn, TensorFlow) for fintech-related applications.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

Others...

.....

- Search for, analysis and synthesis of data and information using modern technology
- Decision-making
- Working independently and in teams
- Production of new research ideas
- Working in an interdisciplinary environment
- Criticism and self-criticism
- Project planning and management

3. SYLLABUS

Week 1: Introduction to Financial Technology and Digital Finance

Week 2: Fundamentals of Machine Learning in Finance

Week 3: Supervised Learning: Credit Scoring and Fraud Detection

Week 4: Unsupervised Learning: Clustering and Anomaly Detection

Week 5: Deep Learning in Financial Applications

Week 6: Blockchain, Smart Contracts, and Decentralized Finance

Week 7: Robo-Advisors, Algorithmic Trading, and Portfolio Optimization

Week 8: Ethical Considerations, Regulation, and Final Project Presentations

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Use of ICT in teaching, including Jupyter Notebooks, cloud computing environments (e.g., Google Colab), and learning management systems (LMS). Communication with students via email and forums.	
TEACHING METHODS <i>The manner and methods of teaching are</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	16

described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc. The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS	Laboratory sessions	16
	Coursework / Project	30
	Study and analysis of bibliography	25
	Independent study and exam preparation	45
	Course total	132
STUDENT PERFORMANCE EVALUATION Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	• Language of Evaluation: English • Methods of Evaluation: ○ Coursework / Project (30%): Group or individual project involving practical application of machine learning in fintech ○ Final Written Exam (70%): Open-ended questions, problem solving, case analysis	

5. ATTACHED BIBLIOGRAPHY

<i>Suggested Bibliography:</i> • Tucker Balch, <i>Machine Learning for Finance</i> (O'Reilly, 2020) • Yves Hilpisch, <i>Artificial Intelligence in Finance</i> (O'Reilly, 2020) • Marcos López de Prado, <i>Advances in Financial Machine Learning</i> (Wiley, 2018) <i>Related Academic Journals:</i> • <i>Journal of Financial Data Science</i> • <i>Quantitative Finance</i> • <i>Journal of Machine Learning Research</i> • <i>Journal of Financial Technology</i>

COURSE OUTLINE

6. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71103f	SEMESTER	2 nd
COURSE TITLE	Business Analysis and Valuation		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:			

LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO
COURSE WEBSITE (URL)	

7. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

This course introduces and develops a framework for business analysis and valuation using financial statement data.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

Others...

.....

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

8. SYLLABUS

- A Framework for Business Analysis and Valuation Using Financial Statements
- Business Analysis and Valuation Tools
 - o Industry Analysis
 - o Competitive Strategy Analysis
 - o Corporate Strategy Analysis
- Overview /Implementing Accounting Analysis
 - o Factors Influencing Accounting Quality
 - o Steps in Accounting Analysis
 - o Accounting Analysis Pitfalls
- Financial Analysis
 - o Ratio Analysis
 - o Cash Flow Analysis
- Prospective Analysis: Forecasting-Valuation Implementation
 - o Defining Value for Shareholders
 - o The Discounted Cash Flow model
 - o The Discounted Abnormal Earnings Valuation model
- Case Studies

9. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Use of ICT in teaching and communication with students	
TEACHING METHODS <i>The manner and methods of teaching are</i>	Activity	Semester workload
	Lectures	32

<i>described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Fieldwork	18
	study and analysis of bibliography	18
	project,	10
	essay writing	10
	Self- - Study	37
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>		
Language of evaluation: Greek Final exam: 75% Project: 25%		

10. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

Business Analysis and Valuation: IFRS Edition (Text and Cases), Krishna G. Palepu, Paul M. Healy, and Erik Peek, 6th Edition, 2022

- Related academic journals:

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71111f	SEMESTER	2 nd
COURSE TITLE	Auditing		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Special Background		
PREREQUISITE COURSES:	Although there are no formal prerequisite courses, students are expected to have mastered Financial Accounting I and II before they take this course		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS	No		

STUDENTS	
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR263/

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

The course is a particularly demanding introduction to auditing and assurance services. It is designed for the student to understand both the theory and practice of auditing. By developing both an understanding of the underlying concepts and principles of auditing and the ability to apply and adapt these concepts and principles in a variety of contexts and circumstances is essential to an auditor for life-long learning.

1. To introduce you to the basic concepts of auditing, with the emphasis being on the practice of auditing in the external (public company audits) and internal auditing contexts.
2. To understand the role that audits (both internal and external) play, their purpose, and the value that they provide.
3. To identify, research, understand, and apply current auditing standards and guidance relating to ethics, independence, and other professional standards.
4. To begin your preparation for various professional certification exams

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	.....
Production of new research ideas	Others...
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently
Working in an international environment
Working in an interdisciplinary environment
Criticism and self-criticism
Production of free, creative, and inductive thinking

3. SYLLABUS

Institutional framework of auditing services
Auditing and related services
Professional ethics and legal responsibilities.
Risk assessment – audit planning
Audit procedures, evidence, sampling
Controls: understanding, evaluation, testing
Auditing revenues and receivables
Completion of the audit
Audit reports

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	The course's content will be presented using a mixture of lectures, an extensive number of short cases-problems, group analysis of problems and case assignments.	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICTs are used both in teaching and communication with students	
TEACHING METHODS	<i>Activity</i>	<i>Semester workload</i>

<i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Lectures	36
	Study and analysis of bibliography	89
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	1) Three (3) on-line weekly quizzes on Sunday afternoons which will count for 30% of your final grade 2) A final exam, counting for 70% of your grade. The final exam will be closed book. Evaluation criteria are available through e-class and the introductory handout given to students.	

5. ATTACHED BIBLIOGRAPHY

The recommended textbook is
K M Johnstone-Zehms, A A. Gramling and L. E. Rittenberg. 2019. **Auditing: A Risk Based-Approach, 11th edition.** Cengage

Or

Κ. Καραμάνης. 2008. **Σύγχρονη Ελεγκτική.** Εταιρεία Αξιοποίησης & Διαχείρισης Της Περιουσίας Του ΟΠΑ

Journals where students may find interesting papers:
 Accounting, Organizations and Society
 Accounting, Auditing and Accountability Journal
 Critical Perspectives on Accounting
 Accounting and Business Research
 British Accounting Review

Handouts, cases, and articles are distributed to the class via e-class.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71106f	SEMESTER	2 nd
COURSE TITLE	Risk Management		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5

<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>		
COURSE TYPE general background, special background, specialised general knowledge, skills development	Specialized general knowledge, skills development	
PREREQUISITE COURSES:		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek	
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No	
COURSE WEBSITE (URL)	https://eclass.aueb.gr/modules/document/index.php?course=LOXR144&openDir=/4b90ca87yvwc	

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

The students will be able to formally assess financial risks, apply the appropriate risk measurement techniques, while taking into consideration the pros and cons of alternative methods.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	.....
Production of new research ideas	Others...
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology.

Decision making

Working independently.

3. SYLLABUS

- Definition and identification of Financial Risk Types
- Market Risk: Value at Risk, Parametric Method, Non-Parametric method, GARCH method
- Backtesting: definition and techniques
- Credit Risk: Migration Approach, Credit Value at Risk, Actuarial Method
- Extreme Value Theory

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>		
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	24
	Study and analysis of bibliography	60
	Interactive teaching	3
	Educational visits	3
	Group Assignment and Essay Writing	35
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written exam	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography: Crouhy, Galai, and Mark (2018), Risk Management, McGraw Hill.
- Related academic journals:

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71212f	SEMESTER	2 nd
COURSE TITLE	Fraud Examination		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
LECTURES		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	SPECIAL BACKGROUND		
PREREQUISITE COURSES:	NONE		

LANGUAGE OF INSTRUCTION and EXAMINATIONS:	ENGLISH
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR306/

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

Upon successful completion of the course, participants will be able to acquire knowledge with respect to the following topics:

- Introduction to Fraud Examination
- Asset Misappropriation I: Skimming and Cash Larceny
- Asset Misappropriation II: Billing, Payroll and Expense Reimbursement Schemes
- Asset Misappropriation III: Register Disbursement, Non-Cash Asset Misappropriation, and Check Tampering Schemes
- Corruption Schemes
- Financial Statement Fraud Schemes
- Interviews and Fraud Investigation Practical Issues

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	.....
Production of new research ideas	Others...
	

The course aims to provide students with the following general competencies:

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Adapting to new situations
- Decision-making
- Working independently
- Team work
- Working in an international environment (Group project)
- Working in an interdisciplinary environment (Group project)
- Production of new research ideas
- Production of free, creative and inductive thinking

3. SYLLABUS

The primary purpose of the course is to familiarize students with the various occupational fraud schemes. For each fraud method, students solve case studies, and examine the preventive and detective controls that the firm's management may adopt to deal with it.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	FACE TO FACE		
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	USE OF ICT IN TEACHING AND COMMUNICATION WITH STUDENTS		
TEACHING METHODS	<i>Activity</i>	<i>Semester workload</i>	

The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc. The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS	Lectures	36
	Group Project	40
	Independent Studying	49
	Course total	125
STUDENT PERFORMANCE EVALUATION Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	The methods of student assessment include a three-hour written examination (comprising multiple choice questions and case studies) and a group project. The exam accounts for 80% of the final mark, while the group project for the remaining 20%.	

5. ATTACHED BIBLIOGRAPHY

Required Reading: Wells, Joseph (2014). Principles of Fraud Examination. Wiley.
Further Reading: ACFE Material

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71230f	SEMESTER	2 nd
COURSE TITLE	Financial Instruments: Accounting and Valuation		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR303/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

The course covers the basic derivative securities, derivative markets and their functions, the pricing of derivative securities via stochastic processes and the risk management of financial positions via derivatives. Computational techniques of pricing derivatives are also covered. Specifically, the students

- will gain a deep understanding of financial derivatives
- will appreciate the role of derivative securities in hedging and risk management
- will be able to price financial derivatives using analytical and numerical methods

Moreover, the purpose of the course is to deal with issues related to the Accounting treatment of the Financial Instruments of the Financial Reports. (Accounting for Financial Instruments - IFRS9)

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

Others...

.....

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently or Team work (via the course assignment)

Working in an interdisciplinary environment

Production of new research ideas

Respect for difference and multiculturalism

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

3. SYLLABUS

The following topics are covered:

- Futures contracts and hedging
- Forward contracts and pricing
- Swaps
- Options contracts: Characteristics and trading strategies
- Pricing options contracts

An analysis of the accounting treatment of

- Financial Assets

- Financial Liabilities

- Derivatives

-Impairment and reclassification of financial assets

-Accounting treatment of risk hedging (Hedging Fair Value Hedge Cash Flow Hedge)

-Accounting for Derivatives -Embedded Derivatives.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in the teaching of the course, as well as in the communication with the students

TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	24
	Independent work	51
	Self Reading	50
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The evaluation of the course is conducted via a written examination The written examination is a combination of open-ended questions and problems to be solved. The evaluation criteria are communicated to the students in the first lecture and are also available online at the course's eclass page.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Hull, J. C. (2015) Options, Futures, and Other Derivatives, 9th edition, Pearson
- McDonald, R. L. (2013), Derivatives Markets, 9th edition, Prentice Hall
- Interpretation and application of IFRS Standards, Wiley
- IFRS 9

- Related academic journals:

- Black, F., & Scholes, M. (1973). The pricing of options and corporate liabilities. Journal of Political Economy, 81(3), 637-654.
- Merton, R. C. (1973). Theory of rational option pricing. The Bell Journal of Economics and Management Science, 141-183.
- Cox, J. C., Ross, S. A., & Rubinstein, M. (1979). Option pricing: A simplified approach. Journal of Financial Economics, 7(3), 229-263.
- Longstaff, F. A., & Schwartz, E. S. (2001). Valuing American options by simulation: A simple least-squares approach. The Review of Financial Studies, 14(1), 113-147.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71213f	SEMESTER	2 nd
COURSE TITLE	Indirect Taxation		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
<i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>			
Lectures		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching</i>			

<i>methods used are described in detail at (d).</i>		
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Special Background	
PREREQUISITE COURSES:	None	
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek	
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No	
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR462/	

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Upon successful completion of the course, students should:

- Understand how VAT is applied to entities subject to taxation.
- Know the VAT implications.
- Understand how VAT is applied at an international setting for goods and services.
- Know the implications of the VAT deduction right.
- Handle situations where there is a co-existence of transactions with and without VAT deduction right.
- Apply fixed asset arrangements.
- Know the various VAT regimes.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

Others...

.....

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

3. SYLLABUS

VAT fundamentals

Fundamental concepts, basic application, VAT obligation, entities subject to VAT, entities non-subject to VAT, entities subject to VAT but exempted

Goods supply and service provision

Goods supply, special (non-recoverable) goods, self-supply of goods, self-provision of services

Imports from third countries and intra-community transactions

Imports, customs territory, customs regimes, import duties, customs value, tax value, intra-community acquisitions and intra-community supplies, place of service provision, B2B and B2C, exemptions, VAT procedures

VAT deduction right

Exempt transactions, exempt transactions without deduction right, exempt transactions with deduction right, co-existence of transactions with and without deduction right, Pro-rata, fixed asset arrangements

Special VAT schemes

Small enterprises, flat-rate farmers, travel agents, second-hand goods and works of art

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face-to-face
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<i>Face-to-face, Distance learning, etc.</i>											
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in teaching and in communication with students. MS PowerPoint is used during lectures while several electronic platforms, such as MS Teams, e-class and e-mails, are used in students' communication.										
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<table> <tr> <th><i>Activity</i></th><th><i>Semester workload</i></th></tr> <tr> <td>Lectures</td><td>36</td></tr> <tr> <td>Assignment</td><td>24</td></tr> <tr> <td>Independent studying</td><td>65</td></tr> <tr> <td>Course total</td><td>125</td></tr> </table>	<i>Activity</i>	<i>Semester workload</i>	Lectures	36	Assignment	24	Independent studying	65	Course total	125
<i>Activity</i>	<i>Semester workload</i>										
Lectures	36										
Assignment	24										
Independent studying	65										
Course total	125										

STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	At the end of the course, students sit an overall written exam. The exam consists of multiple-choice questions, short-answer questions, and problem-solving exercises. In addition, students have to deliver a team assignment about a topic from the EU Court of Justice legislation for VAT issues. The overall grade is determined by the following formula: $80\% \times \text{Exam Grade} + 20\% \times \text{Assignment Grade}$ Note: a student is required to receive at least 50% of the corresponding total marks of the exam and the assignment to pass the course.
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5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:
▪ Hevas, D. (2017): Tax accounting issues, Benos Publishing, 6 th Edition (in Greek)
▪ Stamatopoulos, D., & Klioni, A. (2015): VAT – Analysis and Explanation, FORIN Publishing.
▪ Relevant web resources in Europa and CURIA.
- Related academic journals:
▪ The Accounting Review
▪ Journal of Accounting and Economics
▪ Journal of Accounting Research
▪ Contemporary Accounting Research
▪ International Journal of Accounting
▪ Journal of International Accounting, Auditing and Taxation
▪ National Tax Journal

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71225f	SEMESTER	2 nd
COURSE TITLE	Behavioral Finance		
INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS	CREDITS	
Lectures	4		

Studying and literature review	8	
Project / Assignment / Essay	2	
		5
COURSE TYPE	Specialised general knowledges	
PREREQUISITE COURSES:	NONE	
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek	
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No	
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR150/	

2. LEARNING OUTCOMES

Learning outcomes

Traditional economics and finance is developed on the assumption of a rational utility maximizing economic agent. Recent empirical evidence, however, suggests that real people behave differently than assumed. This module reviews the literature on cognitive psychology as regards to human and investor behaviour and contrasts this with the behavior that is expected from traditional models.

We discuss Prospect Theory (PT), i.e., a theory alternative to Expected Utility Theory (EUT), and show that many empirical phenomena that are considered as 'anomalies' by traditional finance can be explained within this framework. The module also discusses empirical findings on various related issues such as herding behaviour, measures of herding, investor overreaction and under-reaction, measurement of investor sentiment, mental accounting, overconfidence, the house-money effect, the dividend puzzle, the equity premium puzzle, the closed-end fund puzzle, among others.

- Be able to understand, describe, and differentiate between different economic paradigms and financial situations, and be able to understand the structure and interaction of financial factors and modern capital markets with regards to behavioral finance.
- Be able to synthesize the knowledge acquired from the course and apply critical analysis and thinking to real financial situations.
- Be able to explain the main issues and concepts of behavioral finance
- To provide an opportunity for the critical evaluation of recent empirical studies and empirical findings in the area
- To examine phenomena that affect investment decisions / behavior
- To discuss behavioral explanations of observed capital market inefficiencies

General Competences

Search for, analysis and synthesis of data and information, with the use of the necessary technology, Teamwork, Working in an international environment

3. SYLLABUS

- Prospect Theory
- Heuristics / Investor Biases
- Overconfidence
- Empirical Puzzles and Behavioral Explanations
- Over-reaction / Under-reaction
- Herding Behavior in Financial Markets
- Investor Sentiment: Measurement & Empirical Evidence
- Behavioral Finance Theories
- Empirical Findings

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY.	<i>Face-to-face</i>	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	<i>Use of ICT in teaching, communication with students</i>	
TEACHING METHODS	<i>Activity</i>	<i>Semester workload</i>
	<i>Lectures,</i>	36
	<i>study and analysis of bibliography</i>	60

	<i>project, essay writing</i>	29
	Course total	125
STUDENT PERFORMANCE EVALUATION <u>Language:</u> Greek <u>Evaluation:</u> Final Written Exam: (70%) Written Assignment and Public Presentation: (30%)		

5. ATTACHED BIBLIOGRAPHY

ΣΚΕΨΗ, ΑΡΓΗ ΚΑΙ ΓΡΗΓΟΡΗ, DANIEL KAHNEMAN, 2014, Εκδόσεις Κάτοπτρο
 Συμπεριφορική χρηματοοικονομική: Εισαγωγικά στοιχεία, Αλεξάκης Χρήστος, Ξανθάκης Μανώλης, 2008

Σημειώσεις Διαλέξεων (e-class) και Research Papers (ανακοινώσεις σε διαλέξεις)

-Συναφή επιστημονικά περιοδικά (ενδεικτικά):

Journal of Behavioral Finance

Review of Behavioral Finance

Journal of Economic Psychology

Journal of Finance

Journal of Financial Economics

Journal of Banking and Finance

International Review of Financial Analysis

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71220f	SEMESTER	2 nd
COURSE TITLE	Market Microstructure, Strategy, Execution and Dealing Room Simulations		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Special Background		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)			

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

Students who complete the course will be able to identify the main market structures, understand their principles, as well as main types of participants operating therein. The student will be able to interpret the very short-term market dynamics, as well as to assess the possible strategic decisions that traders face over the course of a day.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>
<i>Decision-making</i>	<i>Respect for the natural environment</i>
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Team work</i>	<i>Criticism and self-criticism</i>
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an interdisciplinary environment</i>	<i>.....</i>
<i>Production of new research ideas</i>	<i>Others...</i>
	<i>.....</i>

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project planning and management
Criticism and self-criticism
Production of free, creative and inductive thinking

3. SYLLABUS

- Market Microstructure is the field that deals with the organization of markets and their participants. Specifically, the dynamics of trade and price developments in different markets are examined by studying:
 - the rules governing trading.
 - the types of market-participants.
 - their incentives, and
 - the strategies they choose to achieve their objectives.
- The course covers the following topics:
 - Market Industry: Buy/Sell side, dealers, brokers, clearing and settlement.
 - Orders, Algos and algorithmic trading.
 - The role of dealers, brokers.
 - Main categories of market-users (profit-motivated, utilitarian, noise traders) and their incentives.
 - Basic strategies of each of these categories and how they affect the market mechanism.
 - Price discovery in exchanges and OTC markets.
 - The incorporation of information in market prices and the informational content of trades.
 - Market structures: Order-driven, Dealer-to-Customer, Crossing-networks and hybrid markets.
 - The nature of liquidity and volatility, their relationship and how they both affect market efficiency.
 - Manifestations of asymmetric information, strategies for exploiting the information advantage and ways of protection against the risk arising from it.
 - Key microstructure models: Garman, Roll, Glosten-Millgrom, Kyle.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in the teaching of the course, as well as in the communication with the students. There will be 3 sessions in the lab for applied work. In these workshops students will be able to perform simulations of short-term trading strategies under hypothetical scenarios, observe order-book simulations, and analyze stylized stock market dynamics.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	24
	Project	28
	Independent work	40
	Lab practice	6

<i>bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Educational visits	5
	Study and analysis of bibliography	50
	Case study	12
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The evaluation of the course is conducted via a written examination (70%) and a compulsory project (30%). The project is a case study on speculative and hedging strategies using credit derivatives and students can work on it either in teams (pairs) or individually. The project is designed to test students on their problem-solving abilities and on their reporting/submitting written work, backed up by computations/estimations. The written examination is a combination of multiple-choice questions, open-ended questions and problems to be solved. The evaluation criteria are communicated to the students in the first lecture and are also available online at the course's eclass page.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- L. Harris, "Trading and Exchanges – Market Microstructure for Practitioners", Oxford University Press, 2003
- J. Hasbrouck, "Empirical Market Microstructure – Economic and Statistical Perspectives on the Dynamics of Trade in Securities Market", 2006
- M. O'Hara, "Market Microstructure Theory", Basil Blackwell, Cambridge, 1995.

- Related academic journals:

- Selected articles from the Journal of Finance
- Journal of Financial Markets

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71221f	SEMESTER	2 nd
COURSE TITLE	Shipping Finance		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialized knowledge		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		

IS THE COURSE OFFERED TO ERASMUS STUDENTS	No
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/MISC210/

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

At the end of the course students will **have**:

- familiarised themselves with the system of financing companies in the maritime industry and the specificities of it
- understood the economics of the Shipping industry – supply, demand and the relevant markets to be analysed for the understanding of the industry, its international character and the cyclicity of shipping markets
- learned how to assess investments in the sector and investment decisions
- understood the principles of evaluating maritime bank loan applications
- the ability to analyse the risks of the industry and develop strategies for its management

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>
<i>Decision-making</i>	<i>Respect for the natural environment</i>
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Team work</i>	<i>Criticism and self-criticism</i>
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an interdisciplinary environment</i>	<i>.....</i>
<i>Production of new research ideas</i>	<i>Others...</i>
	<i>.....</i>

All the competences below apply to this course unit:

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Adapting to new situations
- Decision-making
- Working independently and Team-work
- Working in an international environment
- Working in an interdisciplinary environment
- Respect for difference and multiculturalism
- Respect for the natural environment
- Showing social, professional and ethical responsibility and sensitivity to gender issues
- Criticism and self-criticism
- Production of free, creative and inductive thinking

3. SYLLABUS

The following topics are covered in the course unit

- Introductory Concepts, Greek Shipping – 1st in the world in terms of carrying capacity, Evolution and Composition of the Greek Fleet, Flag Registers, Classification societies, The largest Greek shipping companies, Organization of Shipping Companies, Contribution of Greek Shipping to the National Economy
- Economic analysis of the shipping industry: Business and other actors involved in the sector, Maritime markets and their characteristics, Various types of ships and markets in which they operate
- Categories of costs of shipping companies and factors affecting them
- Revenues of shipping companies and factors affecting them
- Net cash flows of shipping companies and their use in investment decision-making
- Introduction to Maritime Finance - Sources of Funding
- Maritime financing through banks
- Stock market products and maritime financing
- Management of Risks in Shipping and Derivatives

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in teaching, communication with the students, uploading of class material, assignments, etc.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	24
	Study and analysis of bibliography	80
	Interactive teaching	3
	Educational visits	3
	Group Assignment and Essay Writing	15
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The language of evaluation is Greek Assessment takes place through a) examination (90%) and b) optional group assignment and presentation (10%). In case students choose not to take the group assignment, the examination counts for 100% of the overall marks. The examination includes mostly problem solving but may also include short-answer questions The evaluation criteria for the examination and the assignment are presented and discussed in the class.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Kavussanos, M. G. and Visvikis, I., 'Το Διεθνές Εγχειρίδιο Ναυτιλιακής Χρηματοοικονομικής, Θεωρία και Πρακτική', Broken Hill Publishers, 2018. in Greek, 575 σελίδες.
- Kavussanos, M.G. and Visvikis, I., 'The International Handbook of Shipping Finance, Theory and Practice', Palgrave MacMillan, London, UK, 2016 pages. in English
- Slogget G.E., *Shipping Finance*, Fairplay Publications
- Paine Frank, *The financing of Ship acquisitions*, Fairplay Publications
- Harwood Stephen, *Shipping Finance*, Euromoney Books
- Kavussanos, M.G. and Visvikis, I., "Theory and Practice of Shipping Freight Derivatives", Risk Books, Incisive Financial Publishing, London, 2011, 257 pages.
- Kavussanos, M.G., Tsouknidis, D. and Visvikis, I., 'Freight Derivatives and Risk Management in Shipping', Taylor and Francis, 2021.
- Kavussanos, M.G. and S. Marcoulis, (2001), 'Risk and Return in Transportation and other US and Global Industries', Kluwer Academic Publishers.
- Panayides Ph.M. (2002), Recent Developments in International Shipping Finance, London: Informa Publications.
- Kavussanos, M.G. and Visvikis, I., 'Capital markets and the shipping industry', Lloyd's Maritime Information Services publications, A Lloyd's MIU Publication, Informa Business, London, 2007.
- Stopford, M., (2009), *Maritime Economics*, Routledge, London.

- Related academic journals:

Transportation Research Part E, Maritime Economics and Logistics, Maritime Policy and Management, Marine Policy, Journal of Transport Economics and Policy, International Journal of Transport Economics, Transportation

Research, Parts A, B, C, D, E, Transport Reviews, Transport Policy, Journal of Banking and Finance, Journal of Finance Journal of Derivatives, The Journal of Futures Markets, Review of Derivatives Research.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71238f	SEMESTER	2nd
COURSE TITLE	Macroeconomics		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>		4	5
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	SPECIAL BACKGROUND		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	ENGLISH		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

Students after completing this course should be familiar with:

- National Accounts
- Components of Aggregate Demand
- The Aggregate Supply
- Demand and Money Supply
- General equilibrium of National Income

• Business Cycles: Fiscal and Monetary policies • Monetary Policy Transmission, Interest Rate Channel, Credit Channel, Balance Sheet Channel, Bank Lending Channel • The Financial System and The Real Economy, Capital Market Imperfections and Real Investment Decisions	
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i>	
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i>	<i>Project planning and management</i> <i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> <i>Others...</i>

3. SYLLABUS

• Thematic Area 1: National Accounts Presentation of the basic national accounting identities. National and Domestic Income. Interpretation of external sector imbalances. • Thematic Area 2: Components of Aggregate Demand Aggregate Demand: the permanent hypothesis and the life-cycle hypothesis of consumer behavior. Aggregate Private Investment: the neo-classical theory and the q-theory variant. • Thematic Area 3: The Aggregate Supply The natural level of Output. The Labor market: demand and supply of labor. Definition and theories of unemployment. • Thematic Area 4: Demand and Money Supply Presentation of Monetary Mechanics, alternative models for Money Demand, Definition of Money Supply and different monetary aggregates. • Thematic Area 5: General equilibrium of National Income The IS/LM framework. Monetary and fiscal policy. Policy multipliers. Neo-classical and Keynesian approaches. • Thematic Area 6: Business Cycles: Fiscal and Monetary policies Definition of Business Cycles, behavior of macroeconomic variables across its phases, the conduct of Fiscal and Monetary Policies as stabilization mechanisms. • Thematic Area 7: Monetary Policy Transmission, Interest Rate Channel, Credit Channel, Balance Sheet Channel, Bank Lending Channel How Monetary Policy Shocks are transmitted to the real economy, presentation and analysis of the various channels. • Thematic Area 8: The Financial System and The Real Economy, Capital Market Imperfections and Real Investment Decisions The behavior of real investment decisions in imperfect capital markets, financial constraints, uncertainty and frictions.
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4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	https://eclass.aueb.gr/courses

Use of ICT in teaching, laboratory education, communication with students		
TEACHING METHODS The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc. The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS	Activity	Semester workload
	lectures	125
	Course total	(5x25)=125
STUDENT PERFORMANCE EVALUATION Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	The evaluation is based on the final exams (weight 100%).	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Abel. A., B. Bernanke, D. Groushore, (2017). «Μακροοικονομική», εκδόσεις ΚΡΙΤΙΚΗ (ΑΒ), 3η έκδοση.
- Mankiw, G., (2002). «Μακροοικονομική Θεωρία», , εκδόσεις GUTENBERG, (M)
- Cecchetti, S., and Schoenholtz, K., (2016). «Χρήμα-Τράπεζες και Χρηματοπιστωτικές Αγορές», 4^η έκδοση, Broken Hill
- Bernanke, B. and M. Gertler (1995), 'Inside the black box: the credit channel of monetary policy transmission.' Journal of Economic Perspectives, 9, 4, 27-48.
- Colander, David (2004). "The Strange Persistence of the IS-LM Model". History of Political Economy 36 (Annual Supplement): 305–322
- Fazzari, S., Hubbard, G., and B. Petersen (1988), 'Financing constraints and corporate investment.' Brookings Papers on Economic Activity, 1, pp. 141-95.
- Hubbard, G. (1998), 'Capital market imperfections and investment.' Journal of Economic Literature, 35, pp. 193-225.
- Stadler, G. (1994). Real Business Cycles, Journal of Economics Literature, Vol. XXXII, pp. 1750–1783.
- Kashyap, A. and J. Stein (2000), 'What do a million observations on banks say about the transmission of monetary policy?' American Economic Review, 90, pp. 407-28.
- Levine, R., Loayza, N., and T. Beck (2000), 'Financial intermediation and growth: causality and causes.' Journal of Monetary Economics, 46, 31-77.
- Modern Money Mechanics, 1994. Federal Reserve Bank of Chicago.
- Sriram, Subramanian S. (2001). "A Survey of Recent Empirical Money Demand Studies," IMF Staff Papers, 47(3). International Monetary Fund. 334–65.

Useful Databases for data collection:

- Bank for International Settlements: <http://www.bis.org/>
- European Banking Authority: <http://www.eba.europa.eu>
- European Central Bank: <http://www.ecb.europa.eu>
- Board of Governors of the Federal Reserve System: federalreserve.gov

COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71137f	SEMESTER	Summer months
COURSE TITLE	Master Dissertation		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
			15
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Special background		
PREREQUISITE COURSES:	All master courses should have been completed.		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/modules/document/?course=LOXR371		

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Master dissertation intends to provide a unique opportunity to student to develop and apply research methods in fields that are relevant to the master program. The overall objective is that students will (a) acquire special knowledge on the research topic, (b) review the relevant literature, (c) enhance their critical thinking by

developing research hypotheses, (d) collect and analyze empirical data, and (e) acquire research skills in deducing solid inferences.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>
<i>Decision-making</i>	<i>Respect for the natural environment</i>
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Team work</i>	<i>Criticism and self-criticism</i>
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an interdisciplinary environment</i>	.....
<i>Production of new research ideas</i>	<i>Others...</i>
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Working independently
Criticism
Production of free, creative and inductive thinking

(3) SYLLABUS

The conduct of dissertation requires students to write a research thesis that reviews the relevant literature, develops research hypotheses, collects and analyzes relevant data, presents empirical results, and makes conclusions. The content of the dissertations includes the following sections:

1. Abstract
2. Introduction
3. Literature review
4. Hypothesis development
5. Research design
6. Sample and descriptive statistics
7. Empirical results
8. Robustness tests
9. Summary and conclusions
10. References
11. Appendices

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>		
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>		
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i>	Activity	Semester workload
	Writing the dissertation	375
	Course total	

<i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The evaluation of the dissertation depends on a several criteria that examine each section and the overall presentation. The following criteria are relevant: Abstract - It presents the research question and its contribution in the field. - It presents the research objective and the research methodology. - It summarizes the empirical results. Introduction - It presents the significance of the research question and the research motivation. - It links the research question with the extant literature. - It presents clearly the research hypothesis. - The dissertation is relevant to the master program. Literature Review - The literature review is clear and well structured. - The literature review is relevant to the research question. - The literature review collects and compares relevant studies. Hypothesis development - There are logical arguments that develop the research hypothesis. - The arguments are connected and consistent with the extant literature. - There are arguments that support and contradict the research hypotheses to provide different perspectives. Research design - The research design is linked to the research question. - The research design is sufficiently justified. - The econometric model is linked to the economic model. - The variables have been clearly defined. Sample and descriptive statistics - The sample composition is justified and connected to the research question. - Sample criteria are clearly presented. - Descriptive statistics are clearly presented by industry and year. Empirical results - The empirical results are linked to the research hypotheses. - The empirical results are appropriately explained statistically and econometrically. - The presentation of the results is of high quality. - Tables are clear and easily accessible. Summary and conclusions - The summary of the dissertation is clear. - The key points are presented concisely. - The contribution is clearly presented. - Key limitations are acknowledged. - Further research opportunities are proposed. Overall presentation

	The dissertation guide has been followed. The language of the dissertation is formal. Terminology is appropriately used. There is clarity and lack of syntax or punctuation errors. Citations are appropriately presented. The Dissertation is supported before a three-members examination committee and its evaluation relies on strict scientific criteria related to originality, depth and analysis, composition and quality.

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Dissertation guide, Department of Accounting & Finance, Athens University of Economics and Business

- Related academic journals:

- The Accounting Review, Journal of Accounting and Economics, Journal of Accounting Research, Contemporary Accounting Review, Accounting, Organizations and Society, Review of Accounting Studies, The International Journal of Accounting, European Accounting Review, Journal of International Accounting, Auditing and Taxation, etc.
- Journal of Finance, Journal of Financial Economics, Review of Financial Studies, Journal of Business, Financial Management Journal, Journal of Corporate Finance, Journal of Banking and Finance, Journal of Financial and Quantitative Analysis, Journal of Futures Markets, Journal of Derivatives, etc.

Τμήμα μερικής φοίτησης

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71123p	SEMESTER	1 st
COURSE TITLE	Data Analysis in Accounting and Finance		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	<i>general background</i>		
PREREQUISITE COURSES:	-		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	-		
COURSE WEBSITE (URL)	-		

2. LEARNING OUTCOMES

Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i> <i>Consult Appendix A</i> <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> <i>Guidelines for writing Learning Outcomes</i> After the completion of the course, participants will be able to: - Construct econometric models by estimating their parameters and draw a series of conclusions regarding their adequacy and flexibility. - Understand the concept of heteroscedasticity and autocorrelation and how these two properties can be modelled (or taken into account) when conducting an econometric analysis. - To proceed with forecasts of economic variables based on an econometric model. General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the</i>

<i>Diploma Supplement and appear below), at which of the following does the course aim?</i>	
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>
	<i>Respect for difference and multiculturalism</i>
<i>Adapting to new situations</i>	<i>Respect for the natural environment</i>
<i>Decision-making</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Working independently</i>	<i>Criticism and self-criticism</i>
<i>Team work</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an international environment</i>	.....
<i>Working in an interdisciplinary environment</i>	<i>Others...</i>
<i>Production of new research ideas</i>	.....
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	
<i>Decision-making</i>	
<i>Working independently</i>	
<i>Working in an interdisciplinary environment</i>	
<i>Production of new research ideas</i>	
<i>Criticism and self-criticism</i>	
<i>Production of free, creative and inductive thinking</i>	

3. SYLLABUS

Topics
• Lecture 1: Introduction to econometrics. • Lecture 2: The simple linear regression model. Presentation of the model, assumptions of the model, the least squares estimator, properties of the least squares estimator. • Lecture 3: Inferences about the simple regression model. Confidence intervals and hypothesis tests. • Lecture 4: Further conclusions on the simple regression model. Modelling and model specification issues. • Lecture 5: The multiple regression model. Presentation of the model, the least squares estimator, properties of the estimator, checks of common assumptions, goodness of fit of the regression line. • Lecture 6: Further implications for the multiple regression model. Model specifications, linearity, heteroscedasticity, heteroscedasticity tests, generalized least squares, autocorrelation, estimation with autocorrelated error terms, standard errors consistent with heteroscedasticity, and autocorrelation. • Lecture 7: Empirical applications and commentary. • Lecture 8: Modelling univariate time series models. Panel data regressions.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	<i>Face-to-face</i>
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	<i>Use of ICT in teaching, laboratory education, communication with</i>

<i>Use of ICT in teaching, laboratory education, communication with students</i>	<i>students</i>	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	90
	Workshops (laboratories)	35
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written exam in the Greek language with <i>short-answer questions and open-ended questions.</i>	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Brooks , C ., 2022, Introduction to Financial Econometrics, 4th edition , Edited by Theodoros Panagiotidis, Gutenberg Publications (in Greek).
- Griffiths, Hill and Lim, 2018. "Principles of Econometrics", 5th Edition, Wiley.

- Related academic journals:

Journal of Econometrics, Journal of Financial Econometrics, Journal of the Royal Statistical Society: Series A, Journal of Time Series.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71133p	SEMESTER	1 st
COURSE TITLE	Financial Accounting I		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Compulsory		
PREREQUISITE COURSES:	-		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR422/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

The course aims to familiarize students with issues of Financial Accounting Theory and Practice. Emphasis is given to the accounting framework, income recognition and assets measurement. The valuation rules are based on current (Greek and International) Accounting Standards. To follow the course students should be familiar with the basic principles and concepts of Financial Accounting.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	.....
Production of new research ideas	Others...
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project planning and management

Criticism and self-criticism Production of free, creative and inductive thinking

3. SYLLABUS

- Conceptual and regulatory framework of Financial Accounting.
- Revenue recognition and measurement (revenues from: the sale of goods, rendering of services, interest, and dividends).
- Revenues from construction contracts.
- Accounting for non-current tangible and intangible assets: Initial recognition, depreciation, impairment, valuation after initial recognition.
- Accounting for borrowing costs.
- Accounting for government grants.
- Accounting for inventories: Initial recognition, measurement, and valuation after initial recognition.
- Accounting for biological assets: Initial recognition, measurement, and valuation after initial recognition.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	<i>Face-to-face,</i>	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	<i>Use of ICT in teaching, laboratory education, communication with students</i>	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	24
	Interim exams	4
	Study and analysis of bibliography	97
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The evaluation of students is done with written examinations that take place after the end of the course (75 %) and interim exams conducted during the course through the e-class platform of the course with multiple choice questions (25%). The scale of marking is 0-10. The average grade of a student in interim and final exams should be above 5 out of 10. The minimum passing grade is 5	

5. ATTACHED BIBLIOGRAPHY

Basic 1. Μπάλλας, Α. και Χέβας, Δ., «Λογιστική: Χρηματοοικονομικές Αναφορές σύμφωνα με τα Ελληνικά και τα Διεθνή Πρότυπα», Α' Έκδοση, Μπένο, 2022. (in Greek) 2. Δ. Χέβας, Χρηματοοικονομική Λογιστική, σημειώσεις παραδόσεων αναρτημένες στο e-class. (in Greek) Additional 1. K. Anderson, K. Leo, R. Picker, J. Loftus, K. Clark & V. Wise, "Applying International Financial Reporting Standards", 2nd edition, Wiley, 2009. 2. Spiceland, J.D., Sepe, J.F. and Nelson, M.W., Intermediate Accounting, 7 th edition, McGraw-Hill Irwin, 2013. 3. Stolowy, H., Lebas, M.J. and Ding, Y, Financial Accounting and Reporting: A Global Perspective, 3rd edition, South-Western Cengage Learning, 2010. 4. Donald E. Kieso, Jerry J. Weygandt, Terry D. Warfield, Intermediate Accounting: IFRS Edition, 3rd Edition, 2018.	
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Academic journals:

- European Accounting Review,
- The Accounting Review
- International Journal of Accounting
- Journal of Accounting Research

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71136p	SEMESTER	1 st / 2 nd
COURSE TITLE	Corporate Finance		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>		4	5
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Scientific field		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR235/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

After attending the course, the student should be able to calculate the value of investments and securities in an environment of uncertainty. The student will know the basic techniques of investment valuation, bond and stock valuation, the theories of company financing, and their practical application. The student will be able to understand the importance of dividend policy and stock repurchases. Finally, the student will be able to know the main financial models of managing working capital.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

Others...

<i>Production of new research ideas</i>
Search for, analysis and synthesis of data and information, with the use of the necessary technology Decision-making Working independently Working in an international environment Project planning and management Production of free, creative and inductive thinking

3. SYLLABUS

The course is about the decisions of firms regarding their investments and their financing. Specifically, it focuses on the main techniques of managing long-term investments and covers topics such as project valuation, cost of capital, the relationship between risk and return, market efficiency, dividend policy and stock repurchases, capital structure of companies and working capital.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Use of ICT in teaching Use of ICT in communication with students	
TEACHING METHODS <i>The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc. The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	50
	study and analysis of bibliography	25
	Self-study	50
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written examination at the end of the course, mainly with problem-solving and theoretical questions. Greek. The evaluation criteria are announced to students during the first meeting, and are written on the course web page, along with detailed information about the material they will be examined on.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

1. Episcopos, A. (2014) "Corporate Finance: Theory and Practice", AUEB Publications.
2. Copeland, T., J.F. Weston, K. Shastri (2005) Financial Theory and Corporate Policy, Pearson, Addison Wesley.
3. Brealey, R., S. Myers, F. Allen (2006) Principles of Corporate Finance. McGraw- Hill.
4. Ross, S., R. Westerfield, J. Jaffe (2002) Corporate Finance, McGraw-Hill.

- Related academic journals:

1. Anderson, R. and D. Reeb (2003) "Founding Family Ownership and Firm Performance" Journal of Finance 58(3): 1301-1328.
2. La Porta, R., F. Lopez-de-Silanes, A. Shleifer, and R. Vishny (1998) "Law and Finance" Journal of Political Economy 106: 1113-1155.

3. Jensen, M. and W. Meckling (1976) "Theory of the firm, managerial behavior, agency costs and ownership structure", Journal of Financial Economics 3: 305-360.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71119p	SEMESTER	1 st
COURSE TITLE	Cost Accounting		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Cost accounting is a mandatory special background course.		
PREREQUISITE COURSES:	THERE IS NO PREREQUISITE COURSES		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR285/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Upon the successful completion of the course, students will be able to understand:

1. Cost concepts and terms such as the cost of raw materials, direct labor, general industrial costs and cost accounting for the calculation of production costs in the context of mainly industrial enterprises.
2. Features and how to track the cost of enterprise products for firms that produce either on-demand or within the context of mass-production.
3. The way in which business cost systems are organized to collect costs and relate indirect costs to products.
4. Costing methods (job order costing and process costing) and techniques (absorption and direct costing).
5. Cost allocation and reallocation. Joint product costing.
6. Standard costing and variances analysis.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

<i>Team work</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an international environment</i>	<i>.....</i>
<i>Working in an interdisciplinary environment</i>	<i>Others...</i>
<i>Production of new research ideas</i>	<i>.....</i>

During the course, students will be able to develop/enhance the following general competences:

1. Search for, analysis and synthesis of data and information, with the use of the necessary technology.
2. Adapting to new situations.
3. Decision-making.
4. Working independently.
5. Teamwork.
6. Production of free, creative and inductive thinking.

3. SYLLABUS

The goal of the course is to introduce students to the content of Cost Accounting. More specifically, this course attempts to explain students:
1. The determinants of cost of production (raw materials, direct labour and overheads). 2. Different costing methods (job order and mass production). 3. Alternative costing techniques (full cost, variable cost and standard cost). 4. The allocation and reallocation of overheads. 5. The break even point analysis and the costing of joint products and by – products. 6. Standard costing and variances analysis.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to Face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in teaching and in communication with students. MS PowerPoint is employed to teach various topics and the communication with student is realised through e-mails, teams meetings, etc.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Classroom Lectures	32
	Independent Study	65
	Field training exercise	8
	Study and Analysis of Bibliography	20
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written examination at the end of the semester (100%). Language of evaluation: Greek Methods of evaluation: summative or conclusive, problem solving, open-ended questions. Evaluation criteria are provided via course's e class.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography: Horngrén, C.T., Bhimani, A., Datar, S.M. and Foster, G. (2005). Management and cost accounting. Prentice Hall, 5TH eds. Hevas, D. Ballas A. and Vlismas O. (2020) Cost accounting, Benos Edition, 3rd eds.

- Related academic journals:
Management Accounting Research, The Journal of Management Accounting Research

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71134p	SEMESTER	1 st
COURSE TITLE	Financial Accounting II		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)			

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

The aim of this course is to thoroughly present and analyze Financial Accounting theory and practice by assigning emphasis on the recognition and measurement of revenues and specific classes of assets and liabilities. The abovementioned topics are approached based on both IFRS and Greek Accounting Standards. Students having successfully attended the course will acquire knowledge regarding the theoretical framework of Financial Accounting.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

Others...

.....

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making Working independently
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3. SYLLABUS

- Statement of Cash Flows - Basic and Diluted Earnings per Share - Leasing. Lease liabilities under IFRS 16. Reassessment of the lease liability. Lessee accounting. Lessor accounting. Manufacturer/dealer lessors - The accounting treatment of equity investments

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Use of ICT in teaching and communication with students	
TEACHING METHODS <i>The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	36
	Fieldwork	36
	Self- - Study	53
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Language of evaluation: Greek Final exam: 100%	

5. ATTACHED BIBLIOGRAPHY

- <i>Suggested bibliography:</i> Δ.Γκίκας, Α.Παπαδάκη, Γ.Σιουγλέ, Ε. Δεμοιράκος, Χ.Τζόβας, Χρηματοοικονομική Λογιστική, International Financial Reporting Standards, Ε' Έκδοση, Εκδόσεις Ε. Μπένου, 2016. - Kieso, D.E., Weygandt, J.J. and Warfield, T.D., 2018. Intermediate Accounting, IFRS edition. - <i>Related academic journals:</i>
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COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71101p	SEMESTER	1 st
COURSE TITLE	Money and Capital Markets		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY	CREDITS

	TEACHING HOURS	
Lectures	4	
Studying and literature review	8	
Project / Assignment / Essay	2	
		5
COURSE TYPE	Specialised general knowledges	
PREREQUISITE COURSES:	NONE	
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek	
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No	
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR163/	

2. LEARNING OUTCOMES

Learning outcomes
This course examines the most important issues in the theory and practice of modern portfolio management. Topics include efficient capital markets, risk and return, asset pricing models, valuation, equity portfolio management strategies, bond portfolio management strategies, the professional asset management industry, evaluation of portfolio performance, main investment decision biases, investor contrarian and momentum strategies, and herd behavior. • Be able to measure and assess the risk and return of a portfolio of assets and understand how risk affects the valuation of assets in equilibrium • Have an understanding of the fundamentals of equity securities and the main issues in equity portfolio management strategies • Have an understanding of the fundamentals of fixed income securities and the main issues in bond portfolio management strategies • Be able to explain the main issues and concepts of behavioral finance and its implications for portfolio management • Have an understanding of the professional asset management industry and the main methods of evaluating portfolio performance Be able to understand, describe, and differentiate between different economic paradigms and financial situations, and be able to understand the structure and interaction of financial factors and modern capital markets. Be able to synthesize the knowledge acquired from the course and apply critical analysis and thinking to real financial situations.
General Competences
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology, Teamwork, Working in an international environment</i>

3. SYLLABUS

• Stock Markets: The investment background and setting; the asset allocation decision; selecting investments in a global market; main securities markets and indexes; initial public offerings (IPOs); why firms go public and IPOs come in waves; asset classes, indexes and benchmarks; investment banks and institutional investors. • Risk & Return: Portfolio theory and multifactor asset pricing models; Efficient capital markets; valuation techniques. Fundamental (valuation methods, P/E, ratio analysis, etc) and technical analysis (Dow Theory, Support & Resistance, Moving Average, Relative Strength Indicators, Advance/Dencline Ratio, Short Selling, Gaps, etc). • Active vs passive portfolio management strategies; equity investment style grid (value & growth, small & large, contrarian & momentum, etc); strategic and tactical asset allocation. Evaluating portfolio performance (Sharpe ratio, Treynor ratio, Sortino ratio, Information ratio, etc). • Bond Markets: Definitions, Pricing, Duration, Convexity, Credit Default Swaps, Securitization, Catastrophe Bonds, Structured Bonds, Credit Rating. • Derivative Markets: Swap Markets, Interest rate swaps, currency swaps, pricing; Futures Markets, Forward and futures contracts. Differences, trading, and pricing; Options Markets, Options Contracts, calls, puts; trading and pricing. • Market efficiency, arbitrage; market puzzles and theoretical inconsistencies (equity premium puzzle, closed end fund puzzle, dividend puzzle, contrarian and momentum strategies, the value anomaly, etc).
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4. TEACHING and LEARNING METHODS - EVALUATION		
DELIVERY.	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	Use of ICT in teaching, communication with students	
TEACHING METHODS	Activity	Semester workload
	Lectures,	36
	study and analysis of bibliography	60
	project, essay writing	29
	Course total	125
STUDENT PERFORMANCE EVALUATION	Language: Greek Evaluation: Final Written Exam: (70%) Written Assignment and Public Presentation: (30%)	

5. ATTACHED BIBLIOGRAPHY

Indicative Bibliography:

Brealey, R. A., Myers, S.C., Allen, (2020) "Principles of Corporate Finance", McGraw Hill, Inc.
 Fabozzi, F. (2016) Bond Markets, Analysis, and Strategies, 9th Edition, 2016, Pearson
 Hull J.C. (2000), Options, Futures, & Other Derivatives, 4th ed. Prentice Hall International
 Malkiel, B. A Random Walk Down Wall Street, 5th College Ed. New York: W.V. Norton.
 Radcliffe, R.C. (1996) "Investment, Concepts, Analysis and Strategy" Addison Wesley.
 Shapiro, A. (1992) Multinational Financial Management, 4th ed., Allyn & Bacon, USA
 Α. ΚΑΝΑΣ, Αρχές Ανάλυσης Επενδύσεων και Χρηματοοικονομικών Αγορών, 2021, Εκδόσεις Μπένου
 ΣΠΥΡΟΥ, Σ., Αγορές Κεφαλαίου και Συμπεριφορά Επενδυτή, (2022), Εκδόσεις Μπένου
 Lecture Notes and Research Papers

Indicative related journals:

Journal of Finance
 Journal of Financial Economics
 Journal of Banking and Finance
 International Review of Financial Analysis
 Financial Management
 Journal of Portfolio Management

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71132p	SEMESTER	1 st
COURSE TITLE	Financial Accounting		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits			
		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE	specialised general		
general background,			

<i>special background, specialised general knowledge, skills development</i>	
PREREQUISITE COURSES:	No
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR521/

2. LEARNING OUTCOMES

Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i> <i>Consult Appendix A</i> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i>																			
<i>The aim of this course is to thoroughly present and analyze Financial Accounting theory and practice by assigning emphasis on the recognition and measurement of revenues and specific classes of assets. The above-mentioned topics are approached based on both IFRS and Greek Accounting Standards.</i>																			
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table> <tr> <td><i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i></td><td><i>Project planning and management</i></td></tr> <tr> <td></td><td><i>Respect for difference and multiculturalism</i></td></tr> <tr> <td><i>Adapting to new situations</i></td><td><i>Respect for the natural environment</i></td></tr> <tr> <td><i>Decision-making</i></td><td><i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i></td></tr> <tr> <td><i>Working independently</i></td><td><i>Criticism and self-criticism</i></td></tr> <tr> <td><i>Team work</i></td><td><i>Production of free, creative and inductive thinking</i></td></tr> <tr> <td><i>Working in an international environment</i></td><td><i>.....</i></td></tr> <tr> <td><i>Working in an interdisciplinary environment</i></td><td><i>Others...</i></td></tr> <tr> <td><i>Production of new research ideas</i></td><td><i>.....</i></td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>		<i>Respect for difference and multiculturalism</i>	<i>Adapting to new situations</i>	<i>Respect for the natural environment</i>	<i>Decision-making</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>	<i>Working independently</i>	<i>Criticism and self-criticism</i>	<i>Team work</i>	<i>Production of free, creative and inductive thinking</i>	<i>Working in an international environment</i>	<i>.....</i>	<i>Working in an interdisciplinary environment</i>	<i>Others...</i>	<i>Production of new research ideas</i>	<i>.....</i>
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>																		
	<i>Respect for difference and multiculturalism</i>																		
<i>Adapting to new situations</i>	<i>Respect for the natural environment</i>																		
<i>Decision-making</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>																		
<i>Working independently</i>	<i>Criticism and self-criticism</i>																		
<i>Team work</i>	<i>Production of free, creative and inductive thinking</i>																		
<i>Working in an international environment</i>	<i>.....</i>																		
<i>Working in an interdisciplinary environment</i>	<i>Others...</i>																		
<i>Production of new research ideas</i>	<i>.....</i>																		
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i>																			

<i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i> <i>Project planning and management</i> <i>Production of free, creative and inductive thinking</i>
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3. SYLLABUS

<i>Students having successfully attended the course will acquire knowledge regarding the theoretical framework of Financial Accounting. In addition, they should be able to analyze topics such as:</i> - <i>Revenue recognition and measurement (revenues from: the sale of goods, rendering of services, interest, and dividends).</i> - <i>Revenues from construction contracts.</i> - <i>Accounting for non-current tangible and intangible assets: Initial recognition, depreciation, impairment, valuation after initial recognition.</i> - <i>Accounting for receivables.</i> - <i>Accounting for financial instruments.</i> - <i>Accounting for inventories: Initial recognition, measurement, and valuation after initial recognition.</i> - <i>Cash flow statement.</i>
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4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Yes	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of</i>	<i>Activity</i>	<i>Semester workload</i>
	<i>Lectures</i>	125
	Course total	125

<i>non-directed study according to the principles of the ECTS</i>	
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written examination (problem-solving) in the Greek language Students are informed during lectures

5. ATTACHED BIBLIOGRAPHY

- *Suggested bibliography:*

- *Related academic journals:*

Ballas, A. and Hevas, D., Accounting: Financial Reporting According to IFRS and Greek Accounting Standards, 1st edition, Benos, 2022 (in Greek)

Gikas, D., Papadaki, A., Siougle, G., Demirakos, E. and Tzovas, C., Financial Accounting International Financial Reporting Standards, 5th edition, Benos, 2016 (In Greek).

Kieso, D.E., Weygandt, J.J. and Warfield, T.D., 2020. Intermediate Accounting: IFRS, 4th Edition.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71110p	SEMESTER	2 nd
COURSE TITLE	Management Accounting		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	5

<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>		
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge	
PREREQUISITE COURSES:	None	
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek	
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No	
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR488/	

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Upon successful completion of the course students should:

- Analyze the behavior of different cost types and know the different costing systems.
- Make efficient decisions in the short-term, such as retaining or terminating activities, outsourcing decisions, optimizing product mix, and pricing decisions
- Prepare the master budget of an entity and evaluate budget variances.
- Evaluate the performance of decentralized divisions and comprehend the usefulness of Management Accounting for long-term strategic planning.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

Others...

.....

Adapting to new situations

Decision-making

Team work

3. SYLLABUS

Activity-based costing and cost functions

Over-costing and under-costing of products., differences between traditional cost approaches and activity-based costing, activity-based management, estimation of cost functions, non-linear cost functions and learning curves

Short-term decision making

Relevant and non-relevant cost, decisions to terminate or continue ongoing activities, decisions of production or outsourcing, product mix decisions under capacity constraints

Budgeting and variance analysis

Usefulness of budgeting, types of budgets, budget preparation, static and flexible budgets, volume and performance variances, revenue variances

Decentralized management units and divisional performance

Decentralization analysis, intragroup transactions, transfer pricing methods, return on investment ratio, residual income, economic value added

Pricing decisions

Pricing factors, pricing in the short and the long term, target costing, locked in costs, life cycle costing
Qualitative cost factors and balanced scorecard
 Just-In-Time inventory system, back-flush costing, theory of constraints, balanced scorecard

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in teaching and in communication with students. MS PowerPoint is used during lectures while several electronic platforms, such as MS Teams, e-class and e-mails, are used in students' communication.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	36
	Assignment	24
	Independent studying	65
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	At the end of the course, students sit an overall written exam. The exam consists of multiple-choice questions, short-answer questions, and problem-solving exercises. In addition, students have to deliver a team assignment consisting of case studies that use Management Accounting concepts in real-world examples. The overall grade is determined by the following formula: $80\% \times \text{Exam Grade} + 20\% \times \text{Assignment Grade}$ Note: a student is required to receive at least 50% of the corresponding total marks of the exam and the assignment to pass the course.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:
- Dimitras, A., and Ballas, A., (2009): "Management Accounting for planning and control", Gutenberg (in Greek).
 - Bhimani, A., Horngren, C., Datar, S., and Rajan, M. (2019): "Management and Cost Accounting", 7th Edition, Prentice Hall.
 - Garrison R., Noreen, E., and Brewer, P. (2018): "Managerial Accounting", 16th Edition, McGraw-Hill Erwin.
- Related academic journals:
- Management Accounting Research
 - European Accounting Review
 - Accounting Forum
 - Journal of Management Accounting Research

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71114p	SEMESTER	2 nd
COURSE TITLE	Consolidated Financial Statements		

INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>	WEEKLY TEACHING HOURS	CREDITS
	4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Compulsory, Special Background: Accounting	
PREREQUISITE COURSES:		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek	
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No	
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR333/ (τμήμα μερικής φοίτησης) & https://eclass.aueb.gr/courses/LOXR332/ (τμήμα πλήρους φοίτησης)	

2. Learning Outcomes

Learning Outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described. Consult Appendix</i> • Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area • Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B <i>Guidelines for writing Learning Outcomes</i>																			
<i>The purpose of the course is to introduce students to the accounting techniques used in business combinations. Business combinations mean: (a) absorptions, mergers and splits of companies and (b) the acquisition of a subsidiary. The techniques presented are the following:</i> <i>I. Mergers and Acquisitions</i> <i>(a) Method of Acquisition</i> <i>(b) Method of Redemption and</i> <i>(c) Method of the Society of Rights</i> <i>II. Consolidated Financial Statements</i> <i>(a) Method of Proportionate Consolidation</i> <i>(b) Method of Full Consolidation</i> <i>Then, specific issues in the preparation of the consolidated financial statements are presented (e.g. elimination of intra-group transactions, indirect ownership, mutual ownership between parent and subsidiary)</i> <i>The course concludes with a presentation of the issue of impairment of a cash-generating unit according to International Accounting Standards.</i>																			
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table border="0"> <tr> <td><i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i></td><td><i>Project planning and management</i></td></tr> <tr> <td><i>Adapting to new situations</i></td><td><i>Respect for difference and multiculturalism</i></td></tr> <tr> <td><i>Decision-making</i></td><td><i>Respect for the natural environment</i></td></tr> <tr> <td><i>Working independently</i></td><td><i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i></td></tr> <tr> <td><i>Team work</i></td><td><i>Criticism and self-criticism</i></td></tr> <tr> <td><i>Working in an international environment</i></td><td><i>Production of free, creative and inductive thinking</i></td></tr> <tr> <td><i>Working in an interdisciplinary environment</i></td><td><i>.....</i></td></tr> <tr> <td><i>Production of new research ideas</i></td><td><i>Others...</i></td></tr> <tr> <td></td><td><i>.....</i></td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>	<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>	<i>Decision-making</i>	<i>Respect for the natural environment</i>	<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>	<i>Team work</i>	<i>Criticism and self-criticism</i>	<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>	<i>Working in an interdisciplinary environment</i>	<i>.....</i>	<i>Production of new research ideas</i>	<i>Others...</i>		<i>.....</i>
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>																		
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>																		
<i>Decision-making</i>	<i>Respect for the natural environment</i>																		
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>																		
<i>Team work</i>	<i>Criticism and self-criticism</i>																		
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>																		
<i>Working in an interdisciplinary environment</i>	<i>.....</i>																		
<i>Production of new research ideas</i>	<i>Others...</i>																		
	<i>.....</i>																		
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i>																			

Team work
 Working in an international environment
 Working in an interdisciplinary environment
 Production of new research ideas
 Criticism and self-criticism
 Production of free, creative and inductive thinking

3. SYLLABUS

The purpose of the course is to present and thoroughly analyze the accounting of business combinations. The course material is developed with reference to both International Financial Presentation Standards and Greek Accounting Legislation. At the end of the course the student will be familiar with the accounting techniques of business combinations. At the beginning, the accounting methods for dealing with takeovers, mergers and business divisions are presented (acquisition method, takeover method and joint stock method) Next, the basic techniques for drawing up the consolidated financial statements (proportionate consolidation and full consolidation) are presented Then special issues are presented in the preparation of the consolidated financial statements (e.g. elimination of intra-group transactions, indirect ownership, mutual holdings between parent and subsidiary) The course concludes with a presentation of the topic of impairment of a cash-generating unit.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to Face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	<i>Use of ICT in teaching, laboratory education, communication with students</i>	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	24
	Study and analysis of bibliography	101
	Σύνολο Μαθήματος (25 ώρες φόρτου εργασίας ανά πιστωτική μονάδα)	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Students are evaluated by written exams that take place after the lectures have been completed. The exams are conducted in the Greek language with open-answer questions The evaluation criteria are on the course website	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

1. Χέβας, Δ., **Λογιστικά Θέματα Μεγάλων Επιχειρήσεων**, Εκδόσεις Μπένου, 2021.
2. Anderson, K., Leo, K., Picker, R., Loftus, J., Clark, K. and Wise, V., **Applying International Financial Reporting Standards**, Wiley, 2009

- Related academic journals:

3. The Accounting Review
4. The International Journal of Accounting
5. National Tax Journal

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71131p	SEMESTER	2 nd /4 th
COURSE TITLE	Financial Derivatives		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	Open eClass του Οικονομικού Πανεπιστημίου Αθηνών | Χρηματοοικονομικά Παράγωγα (aueb.gr)		

2. LEARNING OUTCOMES

Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i> <i>Consult Appendix A</i> • Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area • Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B • Guidelines for writing Learning Outcomes			
The course covers the basic derivative securities, derivative markets and their functions, the pricing of derivative securities via stochastic processes and the risk management of financial positions via derivatives. Computational techniques of pricing derivatives are also covered. Specifically, the students • will gain a deep understanding of financial derivatives • will appreciate the role of derivative securities in hedging and risk management • will be able to price financial derivatives using analytical and numerical methods			
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i> </td><td style="width: 50%; vertical-align: top;"> <i>Project planning and management</i> <i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> <i>Others...</i> </td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i>	<i>Project planning and management</i> <i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> <i>Others...</i>
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i>	<i>Project planning and management</i> <i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> <i>Others...</i>		
Search for, analysis and synthesis of data and information, with the use of the necessary technology Adapting to new situations Decision-making Working independently or Team work (via the course assignment) Working in an interdisciplinary environment			

Production of new research ideas Respect for difference and multiculturalism Showing social, professional and ethical responsibility and sensitivity to gender issues Criticism and self-criticism Production of free, creative and inductive thinking
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3. SYLLABUS

The following topics are covered: • Futures contracts and hedging • Forward contracts and pricing • Swaps • Options contracts: Characteristics and trading strategies • Pricing options contracts

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face																				
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in the teaching of the course, as well as in the communication with the students																				
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<table> <tr> <th><i>Activity</i></th><th><i>Semester workload</i></th></tr> <tr> <td>Lectures</td><td>24</td></tr> <tr> <td>Project</td><td>51</td></tr> <tr> <td>Independent work</td><td>50</td></tr> <tr> <td></td><td></td></tr> <tr> <td></td><td></td></tr> <tr> <td></td><td></td></tr> <tr> <td></td><td></td></tr> <tr> <td></td><td></td></tr> <tr> <td>Course total</td><td>125</td></tr> </table>	<i>Activity</i>	<i>Semester workload</i>	Lectures	24	Project	51	Independent work	50											Course total	125
<i>Activity</i>	<i>Semester workload</i>																				
Lectures	24																				
Project	51																				
Independent work	50																				
Course total	125																				
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The evaluation of the course is conducted via a written examination and a compulsory project. The project revolves around the pricing of exotic options via numerical methods and students can work on it either in teams (pairs) or individually. The project is designed to test students on their problem-solving abilities and on their reporting/submitting written work, backed up by computations/estimations. The written examination is a combination of open-ended questions and problems to be solved. The evaluation criteria are communicated to the students in the first lecture and are also available online at the course's eclass page.																				

5. ATTACHED BIBLIOGRAPHY

- <i>Suggested bibliography:</i> • Hull, J. C. (2015) Options, Futures, and Other Derivatives, 9th edition, Pearson • McDonald, R. L. (2013), Derivatives Markets, 9th edition, Prentice Hall - <i>Related academic journals:</i> • Black, F., & Scholes, M. (1973). The pricing of options and corporate liabilities. Journal of Political Economy, 81(3), 637-654. • Merton, R. C. (1973). Theory of rational option pricing. The Bell Journal of Economics and Management Science, 141-183. • Cox, J. C., Ross, S. A., & Rubinstein, M. (1979). Option pricing: A simplified approach. Journal of Financial Economics, 7(3), 229-263. • Longstaff, F. A., & Schwartz, E. S. (2001). Valuing American options by simulation: A simple least-squares approach. The Review of Financial Studies, 14(1), 113-147.
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COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71105p	SEMESTER	2 nd
COURSE TITLE	Portfolio Analysis and Management		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialized knowledge		
PREREQUISITE COURSES:	Financial Management		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR133/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

On completing the course participants will:

- Have an understanding of the investment process, starting from risk and return characteristics of individual assets and portfolios through to optimal portfolio selection and performance evaluation.
- Understand the determinants of asset prices, asset pricing models and implications of their assumptions on contemporary investment management process.
- Be able to address and tackle issues such as:
 - * Estimation of return, systematic and non-systematic risk of a portfolio
 - * Identification of efficient portfolios
 - * Assessing risk/return preferences of investors and identification of optimal portfolios through the use of utility theory
 - * Application of portfolio performance measures in portfolio evaluation process.
 - * Forming and developing diversification strategies to hedge market risk and reduce company specific risk of a portfolio.
 - * Pricing assets by using asset pricing models
- * Be able to contribute to the shaping, implementation and evaluation of a portfolio management strategy.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

<i>Working in an international environment</i>	.....
<i>Working in an interdisciplinary environment</i>	<i>Others...</i>
<i>Production of new research ideas</i>	.....

All the competences below apply to this course unit:

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Adapting to new situations
- Decision-making
- Working independently and Team-work
- Working in an international environment
- Working in an interdisciplinary environment
- Respect for difference and multiculturalism
- Respect for the natural environment
- Showing social, professional and ethical responsibility and sensitivity to gender issues
- Criticism and self-criticism
- Production of free, creative and inductive thinking

3. SYLLABUS

The following topics are covered in the course unit
• Introduction to investments, Utility function, Portfolio risk and return • Financial Markets, Financial Institutions, The Investment Environment • Market Efficiency • Markowitz: The concept of diversification and the efficient frontier • Markowitz: Riskless lending and borrowing and the efficient set • Capital Asset Pricing Model (CAPM) • Single Index Model (SIM) and Multifactor Models • Arbitrage Pricing Theory (APT) • Portfolio performance evaluation • International diversification

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face																		
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in teaching, communication with the students, uploading of class material, assignments, etc.																		
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<table> <tr> <th><i>Activity</i></th><th><i>Semester workload</i></th></tr> <tr> <td>Lectures</td><td>24</td></tr> <tr> <td>Study and analysis of bibliography</td><td>60</td></tr> <tr> <td>Interactive teaching</td><td>3</td></tr> <tr> <td>Educational visits</td><td>3</td></tr> <tr> <td>Group Assignment and Essay Writing</td><td>35</td></tr> <tr> <td></td><td></td></tr> <tr> <td></td><td></td></tr> <tr> <td>Course total</td><td>125</td></tr> </table>	<i>Activity</i>	<i>Semester workload</i>	Lectures	24	Study and analysis of bibliography	60	Interactive teaching	3	Educational visits	3	Group Assignment and Essay Writing	35					Course total	125
<i>Activity</i>	<i>Semester workload</i>																		
Lectures	24																		
Study and analysis of bibliography	60																		
Interactive teaching	3																		
Educational visits	3																		
Group Assignment and Essay Writing	35																		
Course total	125																		
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are</i>	The language of student performance evaluation is Greek Assessment takes place through a) examination (80%) and b) optional group assignment (20%). In case students choose not to take the group assignment, the examination counts for 100% of the overall marks. The examination includes mostly problem solving but may also include short-answer questions The evaluation criteria for the examination and the assignment are presented and discussed in the class.																		

given, and if and where they are accessible to students.	
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5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Bodie Z., A. Kane and A. J. Marcus, 'Investments', McGraw Hill
- Sharpe, W. F, Alexander, G. J & Bailey, J. V: 'Investments', Prentice-Hall
- Reilly F. K. & K. C. Brown, "Investment Analysis and Portfolio Management", Publisher South Western
- Jones, C. P, 'Investments, Analysis and Management', Wiley
- Elton E. J. and Gruber M. J, "Modern Portfolio Theory and Investment Analysis", John Wiley & Sons.

- Related academic journals:

Journal of Finance, Review of Financial Studies, Journal of Financial and Quantitative Analysis, Journal of Financial Economics, Financial Analysts Journal, Journal of Applied Corporate Finance, Journal of Portfolio Management, Journal of Investment Management, Financial Management, Journal of Futures Markets, Journal of Derivatives, etc.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71111p	SEMESTER	2 nd
COURSE TITLE	Auditing		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Special Background		
PREREQUISITE COURSES:	Although there are no formal prerequisite courses, students are expected to have mastered Financial Accounting I and II before they take this course		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR263/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

The course is a particularly demanding introduction to auditing and assurance services. It is designed for the student to understand both the theory and practice of auditing. By developing both an understanding of the underlying concepts and principles of auditing and the ability to apply and adapt these concepts and principles in a variety of contexts and circumstances is essential to an auditor for life-long learning.

1. To introduce you to the basic concepts of auditing, with the emphasis being on the practice of auditing in the external (public company audits) and internal auditing contexts.

2.	To understand the role that audits (both internal and external) play, their purpose, and the value that they provide.
3.	To identify, research, understand, and apply current auditing standards and guidance relating to ethics, independence, and other professional standards.
4.	To begin your preparation for various professional certification exams
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i>	
Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management Respect for difference and multiculturalism Respect for the natural environment
Adapting to new situations	Showing social, professional and ethical responsibility and sensitivity to gender issues
Decision-making	Criticism and self-criticism
Working independently	Production of free, creative and inductive thinking
Team work	.....
Working in an international environment	Others...
Working in an interdisciplinary environment	.....
Production of new research ideas	.....
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Criticism and self-criticism</i> <i>Production of free, creative, and inductive thinking</i>	

3. SYLLABUS

Institutional framework of auditing services Auditing and related services Professional ethics and legal responsibilities. Risk assessment – audit planning Audit procedures, evidence, sampling Controls: understanding, evaluation, testing Auditing revenues and receivables Completion of the audit Audit reports

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	The course's content will be presented using a mixture of lectures, an extensive number of short cases-problems, group analysis of problems and case assignments.	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICTs are used both in teaching and communication with students	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	36
	Study and analysis of bibliography	89
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive,</i>	3) Three (3) on-line weekly quizzes on Sunday afternoons which will count for 30% of your final grade 4) A final exam, counting for 70% of your grade. The final exam will be closed book.	

multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	Evaluation criteria are available through e-class and the introductory handout given to students.
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5. ATTACHED BIBLIOGRAPHY

The recommended textbook is

K M Johnstone-Zehms, A A. Gramling and L. E. Rittenberg. 2019. **Auditing: A Risk Based-Approach, 11th edition.** Cengage

Or

Κ. Καραμάνης. 2008. **Σύγχρονη Ελεγκτική.** Εταιρεία Αξιοποίησης & Διαχείρισης Της Περιουσίας Του ΟΠΑ

Journals where students may find interesting papers:

Accounting, Organizations and Society

Accounting, Auditing and Accountability Journal

Critical Perspectives on Accounting

Accounting and Business Research

British Accounting Review

Handouts, cases, and articles are distributed to the class via e-class.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71230p	SEMESTER	2 nd /4 th
COURSE TITLE	Financial Instruments: Accounting and Valuation		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR303/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix

B Guidelines for writing Learning Outcomes																			
The course covers the basic derivative securities, derivative markets and their functions, the pricing of derivative securities via stochastic processes and the risk management of financial positions via derivatives. Computational techniques of pricing derivatives are also covered. Specifically, the students - will gain a deep understanding of financial derivatives - will appreciate the role of derivative securities in hedging and risk management - will be able to price financial derivatives using analytical and numerical methods Moreover, the purpose of the course is to deal with issues related to the Accounting treatment of the Financial Instruments of the Financial Reports. (Accounting for Financial Instruments - IFRS9)																			
General Competences Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim? <table> <tr> <td>Search for, analysis and synthesis of data and information, with the use of the necessary technology</td><td>Project planning and management</td></tr> <tr> <td>Adapting to new situations</td><td>Respect for difference and multiculturalism</td></tr> <tr> <td>Decision-making</td><td>Respect for the natural environment</td></tr> <tr> <td>Working independently</td><td>Showing social, professional and ethical responsibility and sensitivity to gender issues</td></tr> <tr> <td>Team work</td><td>Criticism and self-criticism</td></tr> <tr> <td>Working in an international environment</td><td>Production of free, creative and inductive thinking</td></tr> <tr> <td>Working in an interdisciplinary environment</td><td>.....</td></tr> <tr> <td>Production of new research ideas</td><td>Others...</td></tr> <tr> <td></td><td>.....</td></tr> </table>		Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management	Adapting to new situations	Respect for difference and multiculturalism	Decision-making	Respect for the natural environment	Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues	Team work	Criticism and self-criticism	Working in an international environment	Production of free, creative and inductive thinking	Working in an interdisciplinary environment		Production of new research ideas	Others...		
Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management																		
Adapting to new situations	Respect for difference and multiculturalism																		
Decision-making	Respect for the natural environment																		
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues																		
Team work	Criticism and self-criticism																		
Working in an international environment	Production of free, creative and inductive thinking																		
Working in an interdisciplinary environment																			
Production of new research ideas	Others...																		
																			
Search for, analysis and synthesis of data and information, with the use of the necessary technology Adapting to new situations Decision-making Working independently or Team work (via the course assignment) Working in an interdisciplinary environment Production of new research ideas Respect for difference and multiculturalism Showing social, professional and ethical responsibility and sensitivity to gender issues Criticism and self-criticism Production of free, creative and inductive thinking																			

3. SYLLABUS

The following topics are covered: - Futures contracts and hedging - Forward contracts and pricing - Swaps - Options contracts: Characteristics and trading strategies - Pricing options contracts An analysis of the accounting treatment of - Financial Assets - Financial Liabilities - Derivatives - Impairment and reclassification of financial assets - Accounting treatment of risk hedging (Hedging Fair Value Hedge Cash Flow Hedge) - Accounting for Derivatives - Embedded Derivatives.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71212p	SEMESTER	2 nd /4 th
COURSE TITLE	Fraud Examination		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
LECTURES		4	5

<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>		
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	SPECIAL BACKGROUND	
PREREQUISITE COURSES:	NONE	
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	ENGLISH	
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO	
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR306/	

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Upon successful completion of the course, participants will be able to acquire knowledge with respect to the following topics:

- Introduction to Fraud Examination
- Asset Misappropriation I: Skimming and Cash Larceny
- Asset Misappropriation II: Billing, Payroll and Expense Reimbursement Schemes
- Asset Misappropriation III: Register Disbursement, Non-Cash Asset Misappropriation, and Check Tampering Schemes
- Corruption Schemes
- Financial Statement Fraud Schemes
- Interviews and Fraud Investigation Practical Issues

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>
<i>Decision-making</i>	<i>Respect for the natural environment</i>
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Team work</i>	<i>Criticism and self-criticism</i>
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an interdisciplinary environment</i>	<i>.....</i>
<i>Production of new research ideas</i>	<i>Others...</i>
	<i>.....</i>

The course aims to provide students with the following general competencies:

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Adapting to new situations
- Decision-making
- Working independently
- Team work
- Working in an international environment (Group project)
- Working in an interdisciplinary environment (Group project)
- Production of new research ideas
- Production of free, creative and inductive thinking

3. SYLLABUS

The primary purpose of the course is to familiarize students with the various occupational fraud schemes. For each fraud method, students solve case studies, and examine the preventive and detective controls that the firm's management may adopt to deal with it.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	FACE TO FACE	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	USE OF ICT IN TEACHING AND COMMUNICATION WITH STUDENTS	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	36
	Group Project	40
	Independent Studying	49
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The methods of student assessment include a three-hour written examination (comprising multiple choice questions and case studies) and a group project. The exam accounts for 80% of the final mark, while the group project for the remaining 20%.	

5. ATTACHED BIBLIOGRAPHY

Required Reading: Wells, Joseph (2014). Principles of Fraud Examination. Wiley.
Further Reading: ACFE Material

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71106p	SEMESTER	2 nd
COURSE TITLE	Risk Management		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general</i>	Specialized general knowledge, skills development		

background, special background, specialised general knowledge, skills development	
PREREQUISITE COURSES:	
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No
COURSE WEBSITE (URL)	https://eclass.aueb.gr/modules/document/index.php?course=LOXR144&openDir=/4b90ca87yvw

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

The students will be able to formally assess financial risks, apply the appropriate risk measurement techniques, while taking into consideration the pros and cons of alternative methods.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	.....
Production of new research ideas	Others...
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology.

Decision making

Working independently.

3. SYLLABUS

- Definition and identification of Financial Risk Types
- Market Risk: Value at Risk, Parametric Method, Non-Parametric method, GARCH method
- Backtesting: definition and techniques
- Credit Risk: Migration Approach, Credit Value at Risk, Actuarial Method
- Extreme Value Theory

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	

Use of ICT in teaching, laboratory education, communication with students																					
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<table><tr><th><i>Activity</i></th><th><i>Semester workload</i></th></tr><tr><td>Lectures</td><td>24</td></tr><tr><td>Study and analysis of bibliography</td><td>60</td></tr><tr><td>Interactive teaching</td><td>3</td></tr><tr><td>Educational visits</td><td>3</td></tr><tr><td>Group Assignment and Essay Writing</td><td>35</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td>Course total</td><td>125</td></tr></table>	<i>Activity</i>	<i>Semester workload</i>	Lectures	24	Study and analysis of bibliography	60	Interactive teaching	3	Educational visits	3	Group Assignment and Essay Writing	35							Course total	125
	<i>Activity</i>	<i>Semester workload</i>																			
	Lectures	24																			
	Study and analysis of bibliography	60																			
	Interactive teaching	3																			
	Educational visits	3																			
	Group Assignment and Essay Writing	35																			
Course total	125																				
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written exam																				

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography: Crouhy, Galai, and Mark (2018), Risk Management, McGraw Hill.
- Related academic journals:

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71103p	SEMESTER	2 nd /3 rd
COURSE TITLE	Business Analysis and Valuation		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		

IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO
COURSE WEBSITE (URL)	

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

This course introduces and develops a framework for business analysis and valuation using financial statement data.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	.....
Production of new research ideas	Others...
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

3. SYLLABUS

- A Framework for Business Analysis and Valuation Using Financial Statements
- Business Analysis and Valuation Tools
 - o Industry Analysis
 - o Competitive Strategy Analysis
 - o Corporate Strategy Analysis
- Overview /Implementing Accounting Analysis
 - o Factors Influencing Accounting Quality
 - o Steps in Accounting Analysis
 - o Accounting Analysis Pitfalls
- Financial Analysis
 - o Ratio Analysis
 - o Cash Flow Analysis
- Prospective Analysis: Forecasting-Valuation Implementation
 - o Defining Value for Shareholders
 - o The Discounted Cash Flow model
 - o The Discounted Abnormal Earnings Valuation model
- Case Studies

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Use of ICT in teaching and communication with students	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice,</i>	Activity	Semester workload
	Lectures	32
	Fieldwork	18
	study and analysis of	18

<i>fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<i>bibliography</i>	
	<i>project,</i>	10
	<i>essay writing</i>	10
	Self- - Study	37
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Language of evaluation: Greek Final exam: 75% Project: 25%	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

Business Analysis and Valuation: IFRS Edition (Text and Cases), Krishna G. Palepu, Paul M. Healy, and Erik Peek, 6th Edition, 2022

- Related academic journals:

COURSE OUTLINE

1. GENERAL

SCHOOL		School of Business	
ACADEMIC UNIT		Department of Accounting and Finance	
LEVEL OF STUDIES		Postgraduate	
COURSE CODE		bm71220p	SEMESTER 2 nd
COURSE TITLE		Market Microstructure, Strategy, Execution and Dealing Room Simulations	
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Special Background		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)			

2. LEARNING OUTCOMES

Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i> <i>Consult Appendix A</i> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i>																			
Students who complete the course will be able to identify the main market structures, understand their principles, as well as main types of participants operating therein. The student will be able to interpret the very short-term market dynamics, as well as to assess the possible strategic decisions that traders face over the course of a day.																			
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table> <tr> <td><i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i></td><td><i>Project planning and management</i></td></tr> <tr> <td><i>Adapting to new situations</i></td><td><i>Respect for difference and multiculturalism</i></td></tr> <tr> <td><i>Decision-making</i></td><td><i>Respect for the natural environment</i></td></tr> <tr> <td><i>Working independently</i></td><td><i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i></td></tr> <tr> <td><i>Team work</i></td><td><i>Criticism and self-criticism</i></td></tr> <tr> <td><i>Working in an international environment</i></td><td><i>Production of free, creative and inductive thinking</i></td></tr> <tr> <td><i>Working in an interdisciplinary environment</i></td><td><i>.....</i></td></tr> <tr> <td><i>Production of new research ideas</i></td><td><i>Others...</i></td></tr> <tr> <td></td><td><i>.....</i></td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>	<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>	<i>Decision-making</i>	<i>Respect for the natural environment</i>	<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>	<i>Team work</i>	<i>Criticism and self-criticism</i>	<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>	<i>Working in an interdisciplinary environment</i>	<i>.....</i>	<i>Production of new research ideas</i>	<i>Others...</i>		<i>.....</i>
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>																		
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>																		
<i>Decision-making</i>	<i>Respect for the natural environment</i>																		
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>																		
<i>Team work</i>	<i>Criticism and self-criticism</i>																		
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>																		
<i>Working in an interdisciplinary environment</i>	<i>.....</i>																		
<i>Production of new research ideas</i>	<i>Others...</i>																		
	<i>.....</i>																		
Search for, analysis and synthesis of data and information, with the use of the necessary technology Adapting to new situations Decision-making Working independently Working in an international environment Working in an interdisciplinary environment Production of new research ideas Project planning and management Criticism and self-criticism Production of free, creative and inductive thinking																			
3. SYLLABUS • Market Microstructure is the field that deals with the organization of markets and their participants. Specifically, the dynamics of trade and price developments in different markets are examined by studying: ○ the rules governing trading. ○ the types of market-participants. ○ their incentives, and ○ the strategies they choose to achieve their objectives. • The course covers the following topics: ○ Market Industry: Buy/Sell side, dealers, brokers, clearing and settlement. ○ Orders, Algos and algorithmic trading. ○ The role of dealers, brokers. ○ Main categories of market-users (profit-motivated, utilitarian, noise traders) and their incentives. ○ Basic strategies of each of these categories and how they affect the market mechanism. ○ Price discovery in exchanges and OTC markets. ○ The incorporation of information in market prices and the informational content of trades. ○ Market structures: Order-driven, Dealer-to-Customer, Crossing-networks and hybrid markets. ○ The nature of liquidity and volatility, their relationship and how they both affect market efficiency. ○ Manifestations of asymmetric information, strategies for exploiting the information advantage and ways of protection against the risk arising from it. ○ Key microstructure models: Garman, Roll, Glosten-Millgrom, Kyle.																			
4. TEACHING and LEARNING METHODS - EVALUATION <table> <tr> <td>DELIVERY <i>Face-to-face, Distance learning, etc.</i></td><td>Face-to-face</td></tr> <tr> <td>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory</i></td><td>ICT is used in the teaching of the course, as well as in the communication with the students. There will be 3 sessions in the lab for applied work. In these</td></tr> </table>		DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory</i>	ICT is used in the teaching of the course, as well as in the communication with the students. There will be 3 sessions in the lab for applied work. In these														
DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face																		
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory</i>	ICT is used in the teaching of the course, as well as in the communication with the students. There will be 3 sessions in the lab for applied work. In these																		

<i>education, communication with students</i>	workshops students will be able to perform simulations of short-term trading strategies under hypothetical scenarios, observe order-book simulations, and analyze stylized stock market dynamics.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	24
	Project	28
	Independent work	40
	Lab practice	6
	Educational visits	5
	Study and analysis of bibliography	50
	Case study	12
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The evaluation of the course is conducted via a written examination (70%) and a compulsory project (30%). The project is a case study on speculative and hedging strategies using credit derivatives and students can work on it either in teams (pairs) or individually. The project is designed to test students on their problem-solving abilities and on their reporting/submitting written work, backed up by computations/estimations. The written examination is a combination of multiple-choice questions, open-ended questions and problems to be solved. The evaluation criteria are communicated to the students in the first lecture and are also available online at the course's eclass page.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- L. Harris, "Trading and Exchanges – Market Microstructure for Practitioners", Oxford University Press, 2003
- J. Hasbrouck, "Empirical Market Microstructure – Economic and Statistical Perspectives on the Dynamics of Trade in Securities Market", 2006
- M. O'Hara, "Market Microstructure Theory", Basil Blackwell, Cambridge, 1995.

- Related academic journals:

- Selected articles from the Journal of Finance
- Journal of Financial Markets

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71135p	SEMESTER	3 rd
COURSE TITLE	Financial Econometrics		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5

<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>		
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialized general knowledge	
PREREQUISITE COURSES:		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek	
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No	
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR247/	

2. LEARNING OUTCOMES

Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i> <i>Consult Appendix A</i> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i>																	
Upon completion of this course the student is able to build econometrics models (or an econometric system) to examine the hypotheses of financial theory. He/she has the knowledge to estimate these models and to apply the tools of inferential statistics to examine the theoretical hypotheses and the robustness of the model. Furthermore, upon completion of the course the student is able to model financial time series using an adequate univariate or multivariate model, to estimate it and to use for predictions. Finally, the student has acquired the knowledge to apply the aforementioned tools in real financial data using the econometric computer program Eviews.																	
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table> <tr> <td><i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i></td><td><i>Project planning and management</i></td></tr> <tr> <td><i>Adapting to new situations</i></td><td><i>Respect for difference and multiculturalism</i></td></tr> <tr> <td><i>Decision-making</i></td><td><i>Respect for the natural environment</i></td></tr> <tr> <td><i>Working independently</i></td><td><i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i></td></tr> <tr> <td><i>Team work</i></td><td><i>Criticism and self-criticism</i></td></tr> <tr> <td><i>Working in an international environment</i></td><td><i>Production of free, creative and inductive thinking</i></td></tr> <tr> <td><i>Working in an interdisciplinary environment</i></td><td><i>.....</i></td></tr> <tr> <td></td><td><i>Others...</i></td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>	<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>	<i>Decision-making</i>	<i>Respect for the natural environment</i>	<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>	<i>Team work</i>	<i>Criticism and self-criticism</i>	<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>	<i>Working in an interdisciplinary environment</i>	<i>.....</i>		<i>Others...</i>
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>																
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>																
<i>Decision-making</i>	<i>Respect for the natural environment</i>																
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>																
<i>Team work</i>	<i>Criticism and self-criticism</i>																
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>																
<i>Working in an interdisciplinary environment</i>	<i>.....</i>																
	<i>Others...</i>																

<i>Production of new research ideas</i>	.....
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	
<i>Adapting to new situations</i>	
<i>Decision-making</i>	
<i>Working independently</i>	
<i>Working in an international environment</i>	
<i>Production of new research ideas</i>	
<i>Criticism and self-criticism</i>	
<i>Production of free, creative and inductive thinking</i>	

3. SYLLABUS

The goal of this course is to present the theory and application of financial econometrics. Financial econometrics is the econometrics of financial markets, and it is the science of modeling financial time series such as prices, returns, interest rates, financial ratios, etc. Topics covered in this course include regression analysis and its application in finance, modeling of univariate time series using autoregressive or moving average processes, as well as their identification and estimation. The course also studies models of time-varying volatility (ARCH and GARCH), vector autoregressive (VAR) processes and cointegration analysis. All these concepts would be explained with the use of examples using real financial data.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	This course takes place in the PC lab. Students study the theory of Financial Econometrics to apply it in real data using E-views. Use of ICT in: • Teaching: PowerPoint, Excel, Eviews • Laboratory education: Excel, Eviews • Communication with students: E-class, E-mail	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	36
	Independent study	89
	Course total	125

<i>principles of the ECTS</i>	
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The evaluation procedure includes a written exam at the end of the. The final written exam consists of multiple choice questions and problems solved using E-views. The evaluation language is Greek. The evaluation criteria are mentioned to the students during the first lecture and are accessible in the course summary posted in the E-class.

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography: • Brooks, "Introductory Econometrics for Finance", Cambridge 3rd ed. 2014. • Rachev, Mittnic, Fabozzi, Focardi and Jasic, "Financial Econometrics: From Basic to Advanced Modeling Techniques", Wiley 1st ed. 2007. • Tsay, "Analysis of Financial Time Series", Wiley 3rd ed. 2010. • Enders, "Applied Econometric Time Series", Wiley 3rd ed. 2009. - Related academic journals: Journal of Econometrics, Journal of Financial Econometrics, International Journal of Forecasting, Journal of Time Series Analysis.
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COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71102p	SEMESTER	3 rd
COURSE TITLE	Direct Taxation and Tax Planning		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
<i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>			
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching</i>			

<i>methods used are described in detail at (d).</i>		
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Compulsory, Special Background: Accounting	
PREREQUISITE COURSES:		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek	
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No	
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR245/ (part time) & https://eclass.aueb.gr/courses/LOXR280/ (full time)	

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

The aim of the course is to introduce the student to the concept and techniques of income taxation and tax planning of business entities.

Upon successful completion of the course the student will be

- (a) familiar with the whole theory of tax planning and deferred taxation
- (b) aware of the tax law regarding the determination of the taxable income of a business entity
- (c) able to determine the tax liabilities of a business entity
- (d) able to perform accounting entries to determine the result, settle tax liabilities and distribute the profits of a business entity.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	.....
Production of new research ideas	Others...
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Criticism and self-criticism

Production of free, creative and inductive thinking

Project planning and

Respect for difference

Respect for the natur

Showing social, profes

sensitivity to gender

Criticism and self-crit

Production of free, cr

.....

Others...

.....

3. SYLLABUS

Tax Planning

(a) Income tax expense, current tax and deferred tax

(b) Approaches to determining deferred tax

(c) International Accounting Standard 12 "Income Tax

• Temporary differences (taxable and deductible) • Tax Base (of assets and liabilities) • Recognition and presentation of deferred tax assets and liabilities
(d) Compilation of accounting and tax basis reconciliation table
Direct Taxation
1. Basic concepts (tax subject, tax object, tax residence, tax year)
2. Personal Income Taxation
(a) sources of income (income from salaried services, income from business activity, income from capital and income from capital transfer capital);
(b) calculation and return of tax – withholding tax at source.
3. Income Taxation of Legal Persons & Legal Entities
(a) Basic concepts (subject of tax, object of tax, taxable income)
(b) Accounting vs. Taxable Income
(c) Determination of Taxable Income and Income Tax
(d) Deductible and Non-Deductible Expenses. Scientific and Technological Research Expenditures. Tax Depreciation. Measurement of inventories. Bad Claims.
(e) Losses carried forward
(f) Intra-group dividends & intra-group transactions
(g) Undercapitalization
(h) Transfer of Functions
(i) Contribution of Assets for Securities – Exchange of Securities
(j) Mergers and Demergers. Liquidation
4. Pricing of Intragroup Transactions

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to Face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	<i>Use of ICT in teaching, laboratory education, communication with students</i>	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	24
	Study and analysis of bibliography	101
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Students are evaluated by written exams that take place after the lectures have been completed. The exams are conducted in the Greek language with open-answer questions The evaluation criteria are on the course website	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

1. Χέβας, Δ., **Θέματα Φορολογικής Λογιστικής**, 6^η Έκδοση, Μπένου, 2017
2. Anderson, K., Leo, K., Picker, R., Loftus, J., Clark, K. and Wise, V., **Applying International Financial Reporting Standards**, Wiley, 2009

- Related academic journals:

1. The Accounting Review
2. The International Journal of Accounting
3. National Tax Journal

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71101p	SEMESTER	3 rd
COURSE TITLE	Money and Capital Markets		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	
Studying and literature review		8	
Project / Assignment / Essay		2	
			5
COURSE TYPE	Specialised general knowledges		
PREREQUISITE COURSES:	NONE		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR163/		

2. LEARNING OUTCOMES

Learning outcomes

This course examines the most important issues in the theory and practice of modern portfolio management. Topics include efficient capital markets, risk and return, asset pricing models, valuation, equity portfolio management strategies, bond portfolio management strategies, the professional asset management industry, evaluation of portfolio performance, main investment decision biases, investor contrarian and momentum strategies, and herd behavior.

- Be able to measure and assess the risk and return of a portfolio of assets and understand how risk affects the valuation of assets in equilibrium
 - Have an understanding of the fundamentals of equity securities and the main issues in equity portfolio management strategies
 - Have an understanding of the fundamentals of fixed income securities and the main issues in bond portfolio management strategies
 - Be able to explain the main issues and concepts of behavioral finance and its implications for portfolio management
 - Have an understanding of the professional asset management industry and the main methods of evaluating portfolio performance
- Be able to understand, describe, and differentiate between different economic paradigms and financial situations, and be able to understand the structure and interaction of financial factors and modern capital markets.
- Be able to synthesize the knowledge acquired from the course and apply critical analysis and thinking to real financial situations.

General Competences

Search for, analysis and synthesis of data and information, with the use of the necessary technology, Teamwork, Working in an international environment

3. SYLLABUS

• Stock Markets: The investment background and setting; the asset allocation decision; selecting investments in a global market; main securities markets and indexes; initial public offerings (IPOs); why firms go public and IPOs come in waves; asset classes, indexes and benchmarks; investment banks and institutional investors. • Risk & Return: Portfolio theory and multifactor asset pricing models; Efficient capital markets; valuation techniques. Fundamental (valuation methods, P/E, ratio analysis, etc) and technical analysis (Dow Theory, Support & Resistance, Moving Average, Relative Strength Indicators, Advance/Decline Ratio, Short Selling, Gaps, etc). • Active vs passive portfolio management strategies; equity investment style grid (value & growth, small & large, contrarian & momentum, etc); strategic and tactical asset allocation. Evaluating portfolio performance (Sharpe ratio, Treynor ratio, Sortino ratio, Information ratio, etc). • Bond Markets: Definitions, Pricing, Duration, Convexity, Credit Default Swaps, Securitization, Catastrophe Bonds, Structured Bonds, Credit Rating. • Derivative Markets: Swap Markets, Interest rate swaps, currency swaps, pricing; Futures Markets, Forward and futures contracts. Differences, trading, and pricing; Options Markets, Options Contracts, calls, puts; trading and pricing. • Market efficiency, arbitrage; market puzzles and theoretical inconsistencies (equity premium puzzle, closed end fund puzzle, dividend puzzle, contrarian and momentum strategies, the value anomaly, etc).

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY.	<i>Face-to-face</i>	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	<i>Use of ICT in teaching, communication with students</i>	
TEACHING METHODS	Activity	Semester workload
	<i>Lectures,</i>	36
	<i>study and analysis of bibliography</i>	60
	<i>project, essay writing</i>	29
	Course total	125
STUDENT PERFORMANCE EVALUATION	Language: Greek Evaluation: Final Written Exam: (70%) Written Assignment and Public Presentation: (30%)	

5. ATTACHED BIBLIOGRAPHY

Indicative Bibliography:

Brealey, R. A., Myers, S.C., Allen, (2020) "Principles of Corporate Finance", McGraw Hill, Inc.
 Fabozzi, F. (2016) Bond Markets, Analysis, and Strategies, 9th Edition, 2016, Pearson
 Hull J.C. (2000), Options, Futures, & Other Derivatives, 4th ed. Prentice Hall International
 Malkiel, B. A Random Walk Down Wall Street, 5th College Ed. New York: W.V. Norton.
 Radcliffe, R.C. (1996) "Investment, Concepts, Analysis and Strategy" Addison Wesley.
 Shapiro, A. (1992) Multinational Financial Management, 4th ed., Allyn & Bacon, USA
 Α. ΚΑΝΑΣ, Αρχές Ανάλυσης Επενδύσεων και Χρηματοοικονομικών Αγορών, 2021, Εκδόσεις Μπένου
 ΣΠΥΡΟΥ, Σ., Αγορές Κεφαλαίου και Συμπεριφορά Επενδυτή, (2022), Εκδόσεις Μπένου
 Lecture Notes and Research Papers

Indicative related journals:

Journal of Finance
Journal of Financial Economics
Journal of Banking and Finance
International Review of Financial Analysis
Financial Management
Journal of Portfolio Management

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business
ACADEMIC UNIT	Department of Accounting and Finance
LEVEL OF STUDIES	Postgraduate

COURSE CODE	bm71126p	SEMESTER	3 rd
COURSE TITLE	Banking		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
LECTURES		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>		4	5
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	SPECIAL BACKGROUND		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	ENGLISH		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR441/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Students after completing this course should be familiar with:

1. Knowledge of the reasons for the existence of financial intermediaries
2. Understanding the financial statements of financial institutions
3. Asset – Liability management: managing interest rate risk – Gap analysis, Duration gap analysis, liquidity management.
4. Understanding the credit policies of financial institutions – measuring the exposure to credit risk
5. Policies for the off-balance sheet items – securitizations
6. The Capital Adequacy Directives
7. Understanding the strategic policies of Financial Institutions – Merger & Acquisition decisions
8. Understanding the new trends in Banking and the FinTech companies

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working in an international environment

Production of new research ideas

3. SYLLABUS

1. Reasons for the existence of financial intermediaries
2. The financial statements of financial institutions
3. Asset – Liability management: managing interest rate risk – Gap analysis, Duration gap analysis, liquidity management.
4. The credit policies of financial institutions – measuring the exposure to credit risk
5. Policies for the off-balance sheet items – securitizations
6. The Capital Adequacy Directives

7. The strategic policies of Financial Institutions – Merger & Acquisition decisions
8. New trends in Banking and the FinTech companies

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	https://eclass.aueb.gr/courses/LOXR441/	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	125
	Course total	(5x25)=125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The evaluation is based on the final exams (weight 100%). The exams consist of two parts. The 1 st consists of multiple choice questions while the 2 nd is a problem solving section.	

5. ATTACHED BIBLIOGRAPHY

Recommended reading:

- 1) Greenbaum, S., Thakor, A., Boot, A., 2019. Contemporary Financial Intermediation, 4th ed., Academic Press
- 2) Casu, B., Girardone, C., Molyneux, P., 2018, Εισαγωγή στη Τραπεζική, εκδ. Τζιόλα
- 3) A. Saunders , M. Cornett , 2018, Διοίκηση Χρηματοπιστωτικών Ιδρυμάτων και Διαχείριση Κινδύνων, Broken Hill Pub
- 4) Hefferman S., 2005, Modern Banking, J. Wiley & Sons
- 5) Resti, A., & A. Sironi, 2007, Risk Management and Shareholders' Value in Banking, J. Wiley & Sons
- 6) Sinkey, J., 2002, Commercial Bank Financial Management, 6th ed., Prentice-Hall
- 7) Choudhry, M., 2012, The Principles of Banking, J. Wiley & Sons
- 8) Hull, J., 2018, Risk Management and Financial Institutions, 5th. ed., J. Wiley & Sons
- 9) Mathews, K., Thompson, J, 2005, The Economics of Banking, J. Wiley & Sons.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71204p	SEMESTER	4 th
COURSE TITLE	Principles of Corporate Governance		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialized knowledge		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	http://eclass.aueb.gr/courses/LOXR121/		

2. LEARNING OUTCOMES

Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i> <i>Consult Appendix A</i> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i> This course examines corporate governance practices around the world, seeking to understand the differences in systems in different countries and explores policy issues surrounding corporate boards. Upon completion of the course, students will be able to: ▪ understand the process of making financial decisions in modern businesses, ▪ assess the value of business decisions, as well as the business as a whole, ▪ understand economic and financial developments, ▪ read critically the financial press, ▪ make economic and financial analyses that can be used for real-life decisions Skills: ▪ Search, analyze and synthesize data and information related to business decisions ▪ Valuation of investments and businesses

▪ Recognition of the effects of business developments on the stock market ▪ Synthesis of interactions between business decisions, money and capital markets and public sector	
General Competences	
<i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i>	
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>
	<i>Respect for difference and multiculturalism</i>
<i>Adapting to new situations</i>	<i>Respect for the natural environment</i>
<i>Decision-making</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Working independently</i>	<i>Criticism and self-criticism</i>
<i>Team work</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an international environment</i>	.....
<i>Working in an interdisciplinary environment</i>	<i>Others...</i>
<i>Production of new research ideas</i>	.....
Search for, analysis and synthesis of data and information, with the use of the necessary technology Adapting to new situations Decision-making Working independently Team work Working in an international environment Working in an interdisciplinary environment Production of new research ideas Project planning and management Criticism and self-criticism Production of free, creative and inductive thinking	

3. SYLLABUS

- An overview of corporate governance: what is corporate governance; how do the definitions of corporate governance differ and what do they have in common; the history of corporate governance; issues in corporate governance.
- Theory of the firm: Complementary perspectives on ownership and governance of the firm.
- The firm as a collection of growth options; the firm as a nexus of contract - market contracting costs versus ownership costs; competition as a governance mechanism; adaptive efficiency and evolution of firm ownership and governance structures.
- Corporate governance around the world: Corporate governance as systems; path dependence in the evolution of corporate ownership and governance; investor protection and corporate governance.
- External disciplinary devices: Corporate governance and stock market listing; corporate governance and bankruptcy; corporate governance, merger and take-overs.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>		
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	45
	Study and analysis of bibliography	60
	Interactive teaching	10
	Educational visits	10
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written Exams	

5. ATTACHED BIBLIOGRAPHY

Suggested bibliography:

Mallin, C., (2010), Corporate Governance, 3rd Edition, Oxford University Press, (Chapter 6 and 9).
 Monks, R., and N. Minow, (2008), Corporate Governance, 4th Edition, Wiley, John & Sons, (Chapters 3 and 4).
 Tirole J., (2006), The Theory of Corporate Finance, Princeton University Press, (Chapter 1).

Suggested articles:

Bebchuk, L.A., and M.S. Weisbach, (2010), The State of Corporate Governance Research, Review of Financial Studies, 23, 939-961.

Denis, D.K., and J.J. McConnell, (2003), International Corporate Governance, Journal of Financial and Quantitative Analysis, 38, 1-36.

Fidrmuc, J., M. Goergen, and L. Renneboog, (2006), Insider Trading, News Releases, and Ownership Concentration, Journal of Finance 61, 2931-2973.

Additional bibliography:

Brountas, P., (2004), Boardroom Excellence, Jossey-Bass.

Bruner, R.F., (2004), Applied Mergers and Acquisitions, Wiley, John & Sons.

Cadbury, A., (2002), Corporate Governance: A Personal View, Oxford University Press.

Chew, D.H., (1997), Studies in Corporate Finance and Governance Systems: A Comparison of the U.S., Japan and Europe, Oxford University Press.

Chew, D.H., (2000), The New Corporate Finance, 3rd Edition, MacGraw Hill Irwin.

Clarke, T., (2004), Theories of Corporate Governance, Routledge.

Cole, B.M., (2003), The New Investor Relations: Expert Perspectives on the State of the Art, Bloomberg Press.

Frentrop, P., (2002), A History of Corporate Governance, Prometheus Amsterdam.

Gaughan, P.A., (2001), Mergers, Acquisitions, and Corporate Restructurings, 3rd Edition, Wiley, John & Sons.

Higgins, R.B., and M.W. Begor, (2000), Best Practices in Global Investor Relations: The Creation of Shareholder Value, Greenwood Publishing Group.

Kim K., and J.R. Nofsinger, (2003), Corporate Governance, Prentice Hall.

Marcus, B.W., and L.W. Sherwood, (2004), New Dimensions in Investor Relations: Competing for Capital in the 21st Century, Wiley Frontiers in Finance

COURSE OUTLINE**1. GENERAL**

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71124p	SEMESTER	4 th
COURSE TITLE	Modern Types of Financing		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialized general Knowledge		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	None		
COURSE WEBSITE (URL)	http://eclass.aueb.gr/courses/LOXR116/		

2. LEARNING OUTCOMES**Learning outcomes**

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*

• <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i>																			
Students having successfully attended the course should be able to: • Discuss the patterns of corporate financing. • Explain the mechanisms used for factoring. • Define and explain the activities of venture capitalists. • Discuss differences between business angels and venture capitalists. • Identify and explain the organization structure of venture capital. • Describe the patterns of venture capital investment. • Calculate the cost of capital for venture capital. • Explain the design of convertible bonds. • Estimate the value of convertible bonds. • Review the most prominent theories of convertible debt financing. • Define, compare, and contrast the types of leases. • Identify the reasons for leasing and the reasons for not leasing. • Calculate the net advantage of leasing and related issues. • Discuss the important differences of the leasing around the world. • Categorize merger and acquisitions (M&A) activities based on forms of integration and types of mergers. • Explain the common motivations behind M&A activity. • Calculate the estimated post-merger value of an acquirer, and calculate the gains accrued to the target shareholders versus the acquirer shareholders. • Distinguish and describe pre-offer and post-offer takeover defense mechanisms. • Explain the mechanisms used to convert on-balance-sheet assets to a securitized asset. • Describe the key parties involved in a securitization and their roles. • Illustrate the major forms of asset securitization. • Understand the prepayment risk on pass-through securities.																			
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table> <tr> <td><i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i></td><td><i>Project planning and management</i></td></tr> <tr> <td><i>Adapting to new situations</i></td><td><i>Respect for difference and multiculturalism</i></td></tr> <tr> <td><i>Decision-making</i></td><td><i>Respect for the natural environment</i></td></tr> <tr> <td><i>Working independently</i></td><td><i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i></td></tr> <tr> <td><i>Team work</i></td><td><i>Criticism and self-criticism</i></td></tr> <tr> <td><i>Working in an international environment</i></td><td><i>Production of free, creative and inductive thinking</i></td></tr> <tr> <td><i>Working in an interdisciplinary environment</i></td><td><i>.....</i></td></tr> <tr> <td><i>Production of new research ideas</i></td><td><i>Others...</i></td></tr> <tr> <td></td><td><i>.....</i></td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>	<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>	<i>Decision-making</i>	<i>Respect for the natural environment</i>	<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>	<i>Team work</i>	<i>Criticism and self-criticism</i>	<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>	<i>Working in an interdisciplinary environment</i>	<i>.....</i>	<i>Production of new research ideas</i>	<i>Others...</i>		<i>.....</i>
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>																		
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>																		
<i>Decision-making</i>	<i>Respect for the natural environment</i>																		
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>																		
<i>Team work</i>	<i>Criticism and self-criticism</i>																		
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>																		
<i>Working in an interdisciplinary environment</i>	<i>.....</i>																		
<i>Production of new research ideas</i>	<i>Others...</i>																		
	<i>.....</i>																		
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i> <i>Project planning and management</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i>																			
3. SYLLABUS • An Overview of Corporate Financing • Factoring • Venture Capital • Convertible Bonds • Leasing (Operating and Financial Leases) • Mergers & Acquisitions • Securitization																			

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Datastream and Worldscope (Refinitiv-Eikon) Python e-class	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	24
	Laboratory practice	18
	Fieldwork	25
	Study and analysis of bibliography	15
	Independent study	40
	Guest lectures	3
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The final grade will be based on a three-hour written examination (Multiple choice questions and problem solving).	
	The evaluation criteria have been posted on e-class.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Andrade, G., M. Mitchell, and E. Stafford, 2001, New evidence and perspectives on mergers, *Journal of Economic Perspectives*, 15, 103-120.
- Berk, J., and P. DeMarzo, 2019, *Corporate Finance*, 5th edition, Pearson.
- Brealey, R., S. Myers, and F. Allen, 2020, *Principles of Corporate Finance*, International Edition, 13th edition, McGraw-Hill.
- Brigham, E.F., and M.C. Ehrhardt, 2014, *Financial Management: Theory and Practice*, 14th edition, South-Western College Publishing.
- De Villepin, P. 2018, *Factors and Actors: A Global Perspective on the Present, Past and Future of Factoring*, Peter Lang.
- DePamphilis, D.M., 2019, *Mergers, Acquisitions and Other Restructuring Activities*, 10th edition, Academic Press.
- Dutordoir, M., C.M. Lewis, J.K. Seward, and C. Veld, 2014, What we do and do not know about convertible bond financing, *Journal of Corporate Finance* 24, 3-20.
- Gompers, P., and J. Lerner, 2001, The venture capital revolution, *Journal of Economic Perspectives*, 15, 145-168.
- Gompers, P., and J. Lerner, 2004, *The Venture Capital Cycle*, 2nd edition, MIT Press.
- Hu, J., 2011, *Asset Securitization: Theory and Practice*, 1st edition, Wiley.
- Lerner, J., F. Hardyman, and A. Leamon, 2012, *Venture Capital and Private Equity: A Casebook*, 5th Edition, Wiley, New York.
- Metrick, A., and A. Yasuda 2010, *Venture Capital and the Finance Innovation*, 2nd Edition, Wiley.
- Ross, S.A., R.W. Westerfield, J.F. Jaffe, and B.D. Jordan, 2019, *Corporate Finance*, 12th edition, McGraw-Hill.
- Saunders, A., and M. Cornett, 2018, *Financial Institutions Management: A Risk Management Approach*, 9th edition, McGraw-Hill.
- Tirole, J., 2006, *The Theory of Corporate Finance*, Princeton University Press.

- Walker, T., 2006, Managing Lease Portfolios: How to Increase Return and Control Risk, Wiley.
- Related academic journals:**
Journal of Finance, Journal of Financial Economics, Review of Financial Studies, Journal of Financial and Quantitative Analysis, Journal of Corporate Finance, Financial Analysts Journal, Journal of Banking and Finance, Quantitative Finance, Review of Corporate Finance Studies, Journal of Applied Corporate Finance.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71228p	SEMESTER	4th
COURSE TITLE	Computational Finance with Python		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialized general knowledge		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR194/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Upon successful completion of the course the student:

- can implement a program in Python and use its libraries to analyze financial data, create and evaluate trading strategies.
- will be able to value bond portfolios, extract the term structure of spot and swap interest rates and implement investment strategies with fixed income securities.
- will be able to build optimal investment portfolios and evaluate their performance in relation to the risk they take.
- can evaluate the performance of mutual funds.
- will be able to price and hedge standardized and exotic derivative products.
- can implement the basic risk management tools.

All the above will be accomplished by developing appropriate programs in Python.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and Project planning and management

<i>information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i>	<i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> Others...
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i> <i>Project planning and management</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i>	

3. SYLLABUS

The aim of the course is to provide students with the necessary tools and skills to use Python, and its specialized libraries, in solving financial computational problems. The course teaches how to write a program in Python starting with simple algebraic calculations to more sophisticated tools and libraries. The course covers a wide range of financial applications such as the analysis and processing of financial data, the creation of trading strategies, the valuation and management of fixed income securities portfolios, portfolio optimization, the evaluation of investment strategies, and the pricing and hedging of derivative products.
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4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	This course takes place in the PC lab. Students learn to solve computational financial problems using Python. Use of ICT in: • Teaching: Python • Laboratory education: Python • Communication with students: E-class, E-mail	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	36
	Projects	15
	Independent study	74
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation,</i>	The evaluation procedure includes a written exam at the end of the semester and written assignments. The written examination participates by 70% in the final grade and the written assignments by 30%. The final written exam consists of problems solved through Python programming in the lab. The evaluation language is Greek. The evaluation criteria are mentioned to the students during the first lecture and are accessible in the course summary posted in the E-class.	

other	
Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Rompolis, L., *Computational Finance with Python (Lecture Notes)*, AUEB, 2023.
- Hilpisch, Y., *Python for Finance: Mastering Data-Driven Finance*, O' Reilly, 2018.
- Hilpisch, Y., *Derivatives Analytics with Python*, John Wiley & Sons Ltd, 2015.

- Related academic journals: *Quantitative Finance*, *Journal of Computational Finance*.

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71217p	SEMESTER	4 th
COURSE TITLE	Accounting Information Systems and Internal Control		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
LECTURES / LABORATORY EXERCISES		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	SPECIAL BACKGROUND		
PREREQUISITE COURSES:	NONE		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	ENGLISH		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR175/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

Upon completion of the course, students will be able to prepare data flow diagrams and document flowcharts to describe the procedures of the revenue, expenditure and conversion cycles, to realize the importance of the internal control system for the prevention and detection of fraud cases, and to use the ACL audit software.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations

Project planning and management
Respect for difference and multiculturalism
Respect for the natural environment
Showing social, professional and ethical responsibility and

<i>Decision-making</i>	<i>sensitivity to gender issues</i>
<i>Working independently</i>	<i>Criticism and self-criticism</i>
<i>Team work</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an international environment</i>	.....
<i>Working in an interdisciplinary environment</i>	<i>Others...</i>
<i>Production of new research ideas</i>	.....

The course aims to provide students with the following general competencies:

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Adapting to new situations
- Decision-making
- Working independently
- Team work
- Working in an international environment (Group project)
- Working in an interdisciplinary environment (Group project)
- Production of new research ideas
- Production of free, creative and inductive thinking

3. SYLLABUS

The course consists of the following sections:
1. Introduction to Transaction Processing
2. Ethics, Fraud and Internal Controls
3. The Revenue Cycle
4. The Expenditure Cycle I: Purchases and Cash Disbursement Procedures
5. The Expenditure Cycle II: Payroll Processing and Fixed Asset Procedures
6. The Conversion Cycle
7. Case Study - Audit Software ACL

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	FACE TO FACE	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	USE OF ICT IN TEACHING, LABORATORY EDUCATION, AND COMMUNICATION WITH STUDENTS	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	28
	Group Project	34
	Independent Studying	55
	Laboratory Practice	8
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The methods of student assessment include a three-hour written examination (comprising multiple choice questions and case studies) [75%], a group project [15%], and laboratory work [10%].	

5. ATTACHED BIBLIOGRAPHY

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71229p	SEMESTER	4 th
COURSE TITLE	Capital Taxation		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised knowledge		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/MISC324/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

Upon successful completion of this course, students will be able to:

- Understand the fundamental tax concepts that shape a tax regime.
- Understand how international tax rules influence investment decisions.
- Analyze the alternative tax vehicles for tax planning.
- Evaluate the tax benefits and burdens of maritime industry in an international setting.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	.....
Production of new research ideas	Others...
	

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Team work

3. SYLLABUS

WEEK 1 Introduction to Taxation Fundamental tax concepts, Tax rates, Taxable entities, Sources of Income, Deductions, Taxable profits, Loss Carry forwards/Carry backwards WEEK2 International Taxation Tax residency, Domestic income, Worldwide income, Bilateral treaties for the avoidance of double taxation, OECD model double taxation convention WEEK 3 Multinational Enterprises Parent company, Branches, Subsidiaries, Joint ventures, Dividends, Approaches in dividend taxation, Taxation of interest, royalties and financial derivatives WEEK 4 Transfer Pricing Transfer pricing, Advanced Pricing Agreements, OECD guidelines for tax pricing, Tax penalties for transfer pricing manipulation WEEK 5 Offshore Entities Tax heavens, tax loopholes, tax treatment of transactions with companies located in tax heavens, Foreign controlled entities WEEK 6 Shipping taxation Tonnage tax system, domestic and foreign flagged vessels WEEK 7 Value Added Tax (VAT) VAT for enterprises, Territorial Scope, Taxable transactions, VAT exempt transactions WEEK 8 International VAT issues Intra-EU transactions with goods and services, Place of goods delivered, Place of services provided, Special tax exemptions for customs warehousing and shipping entities
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4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face										
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in teaching and in communication with students. MS PowerPoint is used during lectures while several electronic platforms, such as MS Teams, e-class and e-mails, are used in students' communication.										
TEACHING METHODS <i>The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<table> <tr> <th><i>Activity</i></th><th><i>Semester workload</i></th></tr> <tr> <td>Lectures</td><td>36</td></tr> <tr> <td>Assignment</td><td>24</td></tr> <tr> <td>Independent studying</td><td>65</td></tr> <tr> <td>Course total</td><td>125</td></tr> </table>	<i>Activity</i>	<i>Semester workload</i>	Lectures	36	Assignment	24	Independent studying	65	Course total	125
<i>Activity</i>	<i>Semester workload</i>										
Lectures	36										
Assignment	24										
Independent studying	65										
Course total	125										
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-</i>	At the end of the course, students sit an overall written exam. The exam consists of multiple-choice questions, short-answer questions, and problem-solving exercises. In addition, students have to deliver a team assignment about a topic relevant to OECD international taxation project. The overall grade is determined by the following formula:										

answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	80% x Exam Grade + 20% x Assignment Grade Note: a student is required to receive at least 50% of the corresponding total marks of the exam and the assignment to pass the course.
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5. ATTACHED BIBLIOGRAPHY

OECD. *Action Plan on Base Erosion and Profit Shifting* (Paris: OECD, 2013).
 OECD. *Base Erosion and Profit Shifting Project: 2015 Final Reports, Executive Summaries* (Paris: OECD, 2015).
 OECD, Committee on Fiscal Affairs. *Model Tax Convention on Income and on Capital* (Paris: OECD, 2017).
 OECD, Committee on Fiscal Affairs. *Transfer Pricing Guidelines for Multinational Enterprises and Tax Administrations* (Paris: OECD, 2017).
 Scholes, M., Wolfson, M., Erickson, M., Hanlon, M., Maydew, E., & Shevlin, T. (2016). *Taxes and business strategy: A planning approach* (5th ed.). Prentice Hall.
 Miller, A. and Oats, L. (2016). *Principles of International Taxation* (5th ed.) Bloomsbury Professional.

COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71240p	SEMESTER	4th
COURSE TITLE	Issues of Corporate Sustainability in Accounting and Finance		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)			

(2) LEARNING OUTCOMES

Learning outcomes
The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.
 Consult Appendix A

• <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i>																			
• Define sustainability and sustainable development • Consider the need to maintain our natural environment and the current social and human challenges • Review the 17 UN SDGs • Understand the difference and explain the link between ESG and sustainability • Identify key environmental, social and governance (ESG) risks • Discuss the risks facing organisations due to climate change • Consider the top climate-related risks that organisations face • Explore approaches to address climate-related risk • Financial markets and sustainability considerations • Identify key ESG metrics and performance indicators • Connect sustainability and financial performance • Indicate ways investors may consider ESG issues when selecting investments • Describe the ways sustainability and ESG issues may be measured and accounted for • Identify key issues in sustainability reporting • Consider the financial implications of interconnecting financial and sustainability reporting																			
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table> <tr> <td><i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i></td><td><i>Project planning and management</i></td></tr> <tr> <td><i>Adapting to new situations</i></td><td><i>Respect for difference and multiculturalism</i></td></tr> <tr> <td><i>Decision-making</i></td><td><i>Respect for the natural environment</i></td></tr> <tr> <td><i>Working independently</i></td><td><i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i></td></tr> <tr> <td><i>Team work</i></td><td><i>Criticism and self-criticism</i></td></tr> <tr> <td><i>Working in an international environment</i></td><td><i>Production of free, creative and inductive thinking</i></td></tr> <tr> <td><i>Working in an interdisciplinary environment</i></td><td><i>.....</i></td></tr> <tr> <td><i>Production of new research ideas</i></td><td><i>Others...</i></td></tr> <tr> <td></td><td><i>.....</i></td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>	<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>	<i>Decision-making</i>	<i>Respect for the natural environment</i>	<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>	<i>Team work</i>	<i>Criticism and self-criticism</i>	<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>	<i>Working in an interdisciplinary environment</i>	<i>.....</i>	<i>Production of new research ideas</i>	<i>Others...</i>		<i>.....</i>
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>																		
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>																		
<i>Decision-making</i>	<i>Respect for the natural environment</i>																		
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>																		
<i>Team work</i>	<i>Criticism and self-criticism</i>																		
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>																		
<i>Working in an interdisciplinary environment</i>	<i>.....</i>																		
<i>Production of new research ideas</i>	<i>Others...</i>																		
	<i>.....</i>																		
• Search for, analysis and synthesis of data and information, with the use of the necessary technology • Adapting to new situations • Decision-making • Working independently • Working in an international environment • Working in an interdisciplinary environment • Production of new research ideas • Project planning and management • Respect for difference and multiculturalism • Respect for the natural environment • Showing social, professional and ethical responsibility and sensitivity to gender issues • Criticism and self-criticism																			

(3) SYLLABUS

The course deals with how the disciplines of Accounting and Finance contribute to the contemporary societal demands for changes in the way companies organise their economic activities. Such demands are primarily driven by the notion that current economic activity should not undermine the needs of current and future generations for a sustainable natural environment as well as for the protection of social and human rights. Corporate governance is considered a fundamental factor of these changes and, therefore, an integral part of Corporate Sustainability.

Having as starting point these societal demands, this course initially sets the framework within which corporations are expected to operate and identifies the main drivers that lead to a more sustainable business model (e.g., shareholders, stakeholders, regulations). It further addresses key issues related to Sustainable Accounting and Finance (assurance, materiality, risk management, sustainable investment). Finally, it explores current developments in the field of corporate sustainability reporting and how such reporting can be used for decision-making.

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in teaching, communication with the students, uploading of class material, assignments, etc.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures and guest lectures	28
	Self study	47
	Project and essay writing	50
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written exams in English (50%) Individual written essay in English (50%) All relevant information is available at the course's page in eclass.	

(5) ATTACHED BIBLIOGRAPHY

- *Suggested bibliography:*

Laine, M., Tregidga, H., and Unerman, J. (2022) Sustainability Accounting and Accountability, third edition, New York: Routledge.

Sherwood, M. W., & Pollard, J. (2023). Responsible investing: An introduction to environmental, social, and governance investments. Routledge.

- *Related academic journals:*

Journal of accounting research

The accounting review

European accounting review

Journal of financial economics

Review of financial studies

COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71239p	SEMESTER	4th
COURSE TITLE	Data Visualisation with Business Intelligence Tools		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		3 hours x 8 weeks	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	SPECIALISED GENERAL KNOWLEDGE & SKILLS DEVELOPMENT		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR606/		

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

Course-Unit Description

Big data analytics constitutes a valuable tool for informed, data-driven decision-making. By analyzing large volumes of structured and unstructured data, which typically come from different sources, businesses can gain deeper understanding and make more accurate predictions about key metrics.

Modern Data Visualisation tools can immensely contribute to the quick identification and optimal utilization of the information that big data may infer. Cloud computing services, machine learning and Artificial Intelligence (AI) technologies, programming languages and Natural Language Processing (NLP) are combined to this end, to provide user-friendly software for effective data visualization.

Besides however, the tools to process such a wealth of information, another key dimension that should not be underestimated is the literacy of the business community in effectively deciding on, designing, and delivering the content of the visual communication.

In this line, the aim of this course unit is twofold:

a) to equip students with the fundamental knowledge on the principles of visual data communication and,
b) to train them on the Microsoft Power BI application for the creation of interactive data-visualization reports.
This training is hands-on and interactive.

What is Power BI?

Power BI is a Business Intelligence tool by Microsoft for Data Visualisation, with built-in Artificial Intelligence capabilities, tight Excel integration, and pre-built and custom data connectors. It can understand both programming and natural processing language to visualize data and, in combination with a range of AI integrated tools, it provides a user-friendly experience of quick analysis and visualization of information and production of interactive reports.

All these elements work together to turn unrelated sources of data into coherent, visually immersive, and interactive insights. From data in a simple Microsoft Excel workbook, a web-based source, or a collection of cloud-based and on-premises hybrid data warehouses, Power BI allows easy connection to various data sources, cleaning and modeling data without affecting the underlying source, visualize (or discover) what's important, and share interactive reports with any interested party.

Learning Outcomes

With the successful completion of the course unit, participants should be able to:

- Understand the fundamental principles of data visualization.
- Apply principles of visual perception and human cognition to optimize the effectiveness of visual representations.
- Select appropriate chart types and visual encodings to represent different types of data and effectively communicate insights.
- Evaluate and critique existing visualizations to identify strengths, weaknesses, and areas for improvement.
- Understand the ethical considerations and challenges in data visualization, including data privacy, bias, and misinterpretation.
- Design visuals in which the visualised information can be accessible by blind and low-vision individuals.
- Demonstrate proficiency in using Power BI to create and share interactive visual representations of data.
- Apply best practices in data preparation and transformation to ensure the accuracy and integrity of the visualized data.
- Design and create appealing and engaging visualizations that enhance data comprehension and storytelling.
- Analyze and interpret visualizations to extract meaningful insights and patterns from data.
- Utilize interactivity and user-friendly features to enable exploration and interaction with data visualizations.
- Collaborate and work effectively as part of a team to create and present data visualizations.

These learning outcomes equip participants with the knowledge, skills, and techniques needed to effectively analyze, visualize, and communicate data-driven insights to business environments.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

Others...

.....

- Analysis and synthesis of data and information, with the use of the necessary technology
- Effective communication of information
- Brainstorming
- Decision-making
- Working independently
- Team work

- Working in an interdisciplinary environment
- Project planning and management
- Showing social, professional and ethical responsibility
- Production of free, creative and inductive thinking
- Develop Critical thinking

(3) SYLLABUS

Thematic Areas covered:

A. Data Visualization Fundamentals

1. Introduction to Data Visualization

- Importance, key concepts and terminology

2. Data Exploration and Preparation

- Data types and structures
- Exploratory data analysis techniques

3. Visual Perception and Design Principles

- Visual perception and cognition
- Gestalt principles and their application
- Color theory and color schemes
- Typography and text in visualizations

4. Visual Encoding Techniques

- Basic and advanced chart types (bar and line charts, scatter plots, heatmaps, treemaps, network graphs etc.)
- Selecting appropriate visual encodings for different data types

5. Storytelling with Data

- Structuring data narratives
- Designing effective data stories
- Using interactivity and animation
- Presenting and communicating data effectively

6. Data Visualization Best Practices

- Avoiding common pitfalls and misconceptions
- Ethical considerations in data visualization
- Ensuring inclusion and accessibility: Producing Data Visuals that are accessible to blind and low-vision individuals.

B. Data Visualisation with Power BI Desktop

1. Introduction to Power BI

- Overview of Power BI and its capabilities
- Understanding the Power BI ecosystem (Power BI Desktop, Power BI Service, Power BI Report Builder, Power BI Mobile)
- Exploring the Power BI user interface
- The Building Blocks in report creation
- Data sources and output Files
- The community of Microsoft Learn and Power BI

2. Data Preparation and Modeling

- Connecting to data sources (Excel, CSV, databases, cloud services, web sources)
- The Power Query Editor Interface

- Using the Applied Steps list
- Merging or appending different Queries (or datasets)
- Modifying datasets in various aspects, Creating customized columns and tables
- Creating new measures; Identifying the right tool (a customised column or a measure?) for different visualisation needs
- Using the Data Analysis Expressions (DAX) and the Power Query (M) Language to solve data analysis problems
- Understanding, Creating and Managing Relationships between different datasets

3. Creating and Formatting Interactive Data Visuals

- Overview of Power BI visualizations and chart types (numerical, categorical, temporal, geospatial and other datatypes)
- Analyze a measure or a column
- Creating and formatting visuals, The Visualizations Pane; The Fields pane; The Formatting pane
- Interaction between different visuals in the same report (drill-through, cross-filtering, bookmarks)
- Dynamic adjustment of the visual output with filters, slicers, tooltips, and other interactive elements
- Using the Analytics pane

4. Artificial Intelligence and other advanced built-in tools

- Use and train the natural language Q&A AI tool to explore and visualize data
- Apply the Quick Insights tool to automatically produce visuals from a dataset
- Implement forecasting and trend analysis
- Visualise the variables of key influence in your data model and measure the degree of influence
- Perform Exploratory Analysis using neural networks visuals
- Automatically detect, visualise and explain Anomalies in data.

5. Managing and Publishing the Report

- Selecting the right arrangement for the report visuals
- Finding and applying Themes
- Managing and Navigating between Report pages
- Make visuals in different pages interact
- Filter Visuals placed in different pages
- Insert objects, such as action buttons, bookmarks, text boxes, pictures, etc.
- Customizing the report view; Mobile vs. Desktop Report Layout
- Publishing and Sharing the Report
- Understanding, creating and using Workspaces and Dashboards
- Create and use template reports

6. Power BI Integration and Advanced Topics

- Integration with other Microsoft tools (Excel, PowerPoint, SharePoint, Teams, etc.)
- Run Python scripts to import data and create visuals
- Understanding security roles and permissions
- Introduction to Power BI Premium features: Use Machine Learning and Cognitive Services with dataflows

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-Face learning
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	• PowerPoint Presentations • Microsoft Power BI Software Educational Material shared via the E-class Platform

TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures with hands-on practice	24
	Delivery of a group assignment	51
	Self study	50
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	3. Written Examination (50% weight in the final mark) 4. Assignment (50% weight in the final mark) The marking weights of the exam-paper questions are specified on the exam paper. The marking weights of the group-assignment sections are specified on the analytical description of the assignment.	

5. ATTACHED BIBLIOGRAPHY

Main textbooks - Maslyuk D., 2022. <i>Power BI Data Analyst, Exam Ref PL-300</i>, Microsoft. - Wexler S., Shaffer J., Cotgreave A. 2017. <i>The Big Book of Dashboards: Visualizing Your Data Using Real-World Business Scenarios</i>. John Wiley & Sons Inc. Other textbooks - Bakhshi S. & Wade C., 2021. <i>Expert Data Modeling with Power BI</i>, Packt Publishing Limited. - Healy, K, 2018. <i>Data visualization: a practical introduction</i>. Princeton University Press. - Hyman J., 2022. <i>Microsoft Power BI For Dummies</i>, John Wiley & Sons Inc. - Knaflic C.N., 2015. <i>Storytelling with Data. A Data Visualization Guide for Business Professionals</i>. John Wiley & Sons Inc. - Rad R. & Etaati L., 2021. <i>The Definitive Guide to Power Query in Power BI and Excel</i>, RADACAD. - Rad R., 2021. <i>Power BI DAX Simplified</i>, RADACAD. - Zavarella L., Lazzeri F., 2021. <i>Extending Power BI with Python and R</i>, Packt Publishing Limited. Other references – Academic publications in the area - Lowe, J., & Matthee, M. (2020). Requirements of data visualisation tools to analyse big data: A structured literature review. In <i>Responsible Design, Implementation and Use of Information and Communication Technology: 19th IFIP WG 6.11 Conference on e-Business, e-Services, and e-Society, I3E 2020, Skukuza, South Africa, April 6–8, 2020, Proceedings, Part I 19</i>(pp. 469-480). Springer International Publishing.
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- Nash, K., Trott, V., & Allen, W. (2022). The politics of data visualisation and policy making. *Convergence*, 28(1), 3-12.
- Pandey, A. V., Manivannan, A., Nov, O., Satterthwaite, M., & Bertini, E. (2014). The persuasive power of data visualization. *IEEE transactions on visualization and computer graphics*, 20(12), 2211-2220.
- Qin, X., Luo, Y., Tang, N., & Li, G. (2020). Making data visualization more efficient and effective: a survey. *The VLDB Journal*, 29, 93-117.
- Sarker, I. H. (2021). Data science and analytics: an overview from data-driven smart computing, decision-making and applications perspective. *SN Computer Science*, 2(5), 377.
- Shen, L., Shen, E., Luo, Y., Yang, X., Hu, X., Zhang, X., ... & Wang, J. (2022). Towards natural language interfaces for data visualization: A survey. *IEEE transactions on visualization and computer graphics*.
- Wu, A., Wang, Y., Shu, X., Moritz, D., Cui, W., Zhang, H., & Qu, H. (2021). Ai4vis: Survey on artificial intelligence approaches for data visualization. *IEEE Transactions on Visualization and Computer Graphics*.

Relevant Journals:

- Information Visualization, Sage Journals
- IEEE Transactions on Visualization and Computer Graphics (TVCG), IEEE Computer Society
- The Journal of Geovisualization and Spatial Analysis [JGSA], Springer Nature
- Visual Informatics, Open Access

Relevant Websites:

- The Data Visualisation Society
- <https://www.datavisualizationsociety.org>
- Power BI on Microsoft Learn
- <https://learn.microsoft.com/en-us/training/powerplatform/power-bi>
- The Power BI Community (or “the Fabric Community”)
- <https://community.fabric.microsoft.com>

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71242p	SEMESTER	4th
COURSE TITLE	Financial Technology and Machine Learning		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge/ Skills development		
PREREQUISITE COURSES:	None, but background in statistics, finance, and programming (e.g., Python) is recommended.		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	To be provided by the MSc		

2. LEARNING OUTCOMES

Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i> <i>Consult Appendix A</i> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i>																			
Upon successful completion of this course, students will be able to: • Understand the core technologies driving financial innovation, such as blockchain and robo-advisory. • Apply machine learning algorithms to real-world financial datasets. • Evaluate the risks and ethical implications of fintech applications. • Build and assess predictive models for asset pricing, credit scoring, and algorithmic trading. • Utilize Python and industry-standard libraries (e.g., Scikit-learn, TensorFlow) for fintech-related applications.																			
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i> <table> <tr> <td><i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i></td><td><i>Project planning and management</i></td></tr> <tr> <td><i>Adapting to new situations</i></td><td><i>Respect for difference and multiculturalism</i></td></tr> <tr> <td><i>Decision-making</i></td><td><i>Respect for the natural environment</i></td></tr> <tr> <td><i>Working independently</i></td><td><i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i></td></tr> <tr> <td><i>Team work</i></td><td><i>Criticism and self-criticism</i></td></tr> <tr> <td><i>Working in an international environment</i></td><td><i>Production of free, creative and inductive thinking</i></td></tr> <tr> <td><i>Working in an interdisciplinary environment</i></td><td><i>.....</i></td></tr> <tr> <td><i>Production of new research ideas</i></td><td><i>Others...</i></td></tr> <tr> <td></td><td><i>.....</i></td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>	<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>	<i>Decision-making</i>	<i>Respect for the natural environment</i>	<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>	<i>Team work</i>	<i>Criticism and self-criticism</i>	<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>	<i>Working in an interdisciplinary environment</i>	<i>.....</i>	<i>Production of new research ideas</i>	<i>Others...</i>		<i>.....</i>
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>																		
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>																		
<i>Decision-making</i>	<i>Respect for the natural environment</i>																		
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>																		
<i>Team work</i>	<i>Criticism and self-criticism</i>																		
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>																		
<i>Working in an interdisciplinary environment</i>	<i>.....</i>																		
<i>Production of new research ideas</i>	<i>Others...</i>																		
	<i>.....</i>																		
• Search for, analysis and synthesis of data and information using modern technology • Decision-making • Working independently and in teams • Production of new research ideas • Working in an interdisciplinary environment • Criticism and self-criticism • Project planning and management																			

3. SYLLABUS

Week 1: Introduction to Financial Technology and Digital Finance
Week 2: Fundamentals of Machine Learning in Finance
Week 3: Supervised Learning: Credit Scoring and Fraud Detection
Week 4: Unsupervised Learning: Clustering and Anomaly Detection
Week 5: Deep Learning in Financial Applications
Week 6: Blockchain, Smart Contracts, and Decentralized Finance
Week 7: Robo-Advisors, Algorithmic Trading, and Portfolio Optimization
Week 8: Ethical Considerations, Regulation, and Final Project Presentations

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Use of ICT in teaching, including Jupyter Notebooks, cloud computing environments (e.g., Google Colab), and learning management systems (LMS). Communication with students via email and forums.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	16
	Laboratory sessions	16
	Coursework / Project	30
	Study and analysis of bibliography	25
	Independent study and exam preparation	45

The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS		
	Course total	132
STUDENT PERFORMANCE EVALUATION Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	• Language of Evaluation: English • Methods of Evaluation: ○ Coursework / Project (30%): Group or individual project involving practical application of machine learning in fintech ○ Final Written Exam (70%): Open-ended questions, problem solving, case analysis	

5. ATTACHED BIBLIOGRAPHY

Suggested Bibliography:

- Tucker Balch, *Machine Learning for Finance* (O'Reilly, 2020)
- Yves Hilpisch, *Artificial Intelligence in Finance* (O'Reilly, 2020)
- Marcos López de Prado, *Advances in Financial Machine Learning* (Wiley, 2018)

Related Academic Journals:

- *Journal of Financial Data Science*
- *Quantitative Finance*
- *Journal of Machine Learning Research*
- *Journal of Financial Technology*

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71213p	SEMESTER	4 th
COURSE TITLE	Indirect Taxation		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Special Background		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR462/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described. Consult Appendix A • Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area • Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B • Guidelines for writing Learning Outcomes																			
Upon successful completion of the course, students should: ▪ Understand how VAT is applied to entities subject to taxation. ▪ Know the VAT implications. ▪ Understand how VAT is applied at an international setting for goods and services. ▪ Know the implications of the VAT deduction right. ▪ Handle situations where there is a co-existence of transactions with and without VAT deduction right. ▪ Apply fixed asset arrangements. ▪ Know the various VAT regimes.																			
General Competences Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim? <table border="0"> <tr> <td>Search for, analysis and synthesis of data and information, with the use of the necessary technology</td><td>Project planning and management</td></tr> <tr> <td>Adapting to new situations</td><td>Respect for difference and multiculturalism</td></tr> <tr> <td>Decision-making</td><td>Respect for the natural environment</td></tr> <tr> <td>Working independently</td><td>Showing social, professional and ethical responsibility and sensitivity to gender issues</td></tr> <tr> <td>Team work</td><td>Criticism and self-criticism</td></tr> <tr> <td>Working in an international environment</td><td>Production of free, creative and inductive thinking</td></tr> <tr> <td>Working in an interdisciplinary environment</td><td>.....</td></tr> <tr> <td>Production of new research ideas</td><td>Others...</td></tr> <tr> <td></td><td>.....</td></tr> </table>		Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management	Adapting to new situations	Respect for difference and multiculturalism	Decision-making	Respect for the natural environment	Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues	Team work	Criticism and self-criticism	Working in an international environment	Production of free, creative and inductive thinking	Working in an interdisciplinary environment		Production of new research ideas	Others...		
Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management																		
Adapting to new situations	Respect for difference and multiculturalism																		
Decision-making	Respect for the natural environment																		
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues																		
Team work	Criticism and self-criticism																		
Working in an international environment	Production of free, creative and inductive thinking																		
Working in an interdisciplinary environment																			
Production of new research ideas	Others...																		
																			
Search for, analysis and synthesis of data and information, with the use of the necessary technology Adapting to new situations Decision-making Working independently																			

3. SYLLABUS

<u>VAT fundamentals</u> Fundamental concepts, basic application, VAT obligation, entities subject to VAT, entities non-subject to VAT, entities subject to VAT but exempted <u>Goods supply and service provision</u> Goods supply, special (non-recoverable) goods, self-supply of goods, self-provision of services <u>Imports from third countries and intra-community transactions</u> Imports, customs territory, customs regimes, import duties, customs value, tax value, intra-community acquisitions and intra-community supplies, place of service provision, B2B and B2C, exemptions, VAT procedures <u>VAT deduction right</u> Exempt transactions, exempt transactions without deduction right, exempt transactions with deduction right, co-existence of transactions with and without deduction right, Pro-rata, fixed asset arrangements <u>Special VAT schemes</u> Small enterprises, flat-rate farmers, travel agents, second-hand goods and works of art

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face-to-face	
Face-to-face, Distance learning, etc.		
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	ICT is used in teaching and in communication with students. MS PowerPoint is used during lectures while several electronic platforms, such as MS Teams, e-class and e-mails, are used in students' communication.	
TEACHING METHODS The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.	Activity	Semester workload
	Lectures	36
	Assignment	24
	Independent studying	65
	Course total	125

<i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	
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STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	At the end of the course, students sit an overall written exam. The exam consists of multiple-choice questions, short-answer questions, and problem-solving exercises. In addition, students have to deliver a team assignment about a topic from the EU Court of Justice legislation for VAT issues. The overall grade is determined by the following formula: $80\% \times \text{Exam Grade} + 20\% \times \text{Assignment Grade}$ Note: a student is required to receive at least 50% of the corresponding total marks of the exam and the assignment to pass the course.
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5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:
▪ Hevas, D. (2017): Tax accounting issues, Benos Publishing, 6 th Edition (in Grrek)
▪ Stamatopoulos, D., & Klioni, A. (2015): VAT – Analysis and Explanation, FORIN Publishing.
▪ Relevant web resources in Europa and CURIA.
- Related academic journals:
▪ The Accounting Review
▪ Journal of Accounting and Economics
▪ Journal of Accounting Research
▪ Contemporary Accounting Research
▪ International Journal of Accounting
▪ Journal of International Accounting, Auditing and Taxation
▪ National Tax Journal

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71225p	SEMESTER	4 th
COURSE TITLE	Behavioral Finance		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	
Studying and literature review		8	
Project / Assignment / Essay		2	
			5
COURSE TYPE	Specialised general knowledges		
PREREQUISITE COURSES:	NONE		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/LOXR150/		

2. LEARNING OUTCOMES

Learning outcomes
Traditional economics and finance is developed on the assumption of a rational utility maximizing economic agent. Recent empirical evidence, however, suggests that real people behave differently than assumed. This module reviews the literature on cognitive psychology as regards to human and investor behaviour and contrasts this with the behavior that is expected from traditional models. We discuss Prospect Theory (PT), i.e., a theory alternative to Expected Utility Theory (EUT), and show that many empirical phenomena that are considered as 'anomalies' by traditional finance can be explained within this framework. The module also discusses empirical findings on various related issues such as herding behaviour, measures of herding, investor overreaction and under-reaction, measurement of investor sentiment, mental accounting, overconfidence, the house-money effect, the dividend puzzle, the equity premium puzzle, the closed-end fund puzzle, among others. • Be able to understand, describe, and differentiate between different economic paradigms and financial situations, and be able to understand the structure and interaction of financial factors and modern capital markets with regards to behavioral finance. • Be able to synthesize the knowledge acquired from the course and apply critical analysis and thinking to real financial situations. • Be able to explain the main issues and concepts of behavioral finance • To provide an opportunity for the critical evaluation of recent empirical studies and empirical findings in the area • To examine phenomena that affect investment decisions / behavior • To discuss behavioral explanations of observed capital market inefficiencies
General Competences
Search for, analysis and synthesis of data and information, with the use of the necessary technology, Teamwork, Working in an international environment

3. SYLLABUS

• Prospect Theory • Heuristics / Investor Biases • Overconfidence • Empirical Puzzles and Behavioral Explanations • Over-reaction / Under-reaction • Herding Behavior in Financial Markets • Investor Sentiment: Measurement & Empirical Evidence • Behavioral Finance Theories • Empirical Findings
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4. TEACHING and LEARNING METHODS - EVALUATION

7. TEACHING AND LEARNING METHODS – EVALUATION		
DELIVERY.	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	Use of ICT in teaching, communication with students	
TEACHING METHODS	Activity	Semester workload
	Lectures,	36
	study and analysis of bibliography	60
	project, essay writing	29
	Course total	125
STUDENT PERFORMANCE EVALUATION	<u>Language:</u> Greek	
	<u>Evaluation:</u>	
	Final Written Exam: (70%)	
	Written Assignment and Public Presentation: (30%)	

5. ATTACHED BIBLIOGRAPHY

ΣΚΕΨΗ, ΑΡΓΗ ΚΑΙ ΓΡΗΓΟΡΗ, DANIEL KAHNEMAN, 2014, Εκδόσεις Κάτοπτρο Συμπεριφορική χρηματοοικονομική: Εισαγωγικά στοιχεία, Αλεξάκης Χρήστος, Ξανθάκης Μανώλης, 2008
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Σημειώσεις Διαλέξεων (e-class) και Research Papers (ανακοινώσεις σε διαλέξεις)

-Συναφή επιστημονικά περιοδικά (ενδεικτικά):

Journal of Behavioral Finance

Review of Behavioral Finance

Journal of Economic Psychology

Journal of Finance

Journal of Financial Economics

Journal of Banking and Finance

International Review of Financial Analysis

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71221p	SEMESTER	4 th
COURSE TITLE	Shipping Finance		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialized knowledge		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses/MISC210/		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

At the end of the course students will **have**:

- familiarised themselves with the system of financing companies in the maritime industry and the specificities of it
- understood the economics of the Shipping industry – supply, demand and the relevant markets to be analysed for the understanding of the industry, its international character and the cyclicity of shipping markets
- learned how to assess investments in the sector and investment decisions
- understood the principles of evaluating maritime bank loan applications
- the ability to analyse the risks of the industry and develop strategies for its management

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and Project planning and management

<i>information, with the use of the necessary technology</i>	<i>Respect for difference and multiculturalism</i>
<i>Adapting to new situations</i>	<i>Respect for the natural environment</i>
<i>Decision-making</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Working independently</i>	<i>Criticism and self-criticism</i>
<i>Team work</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an international environment</i>	.....
<i>Working in an interdisciplinary environment</i>	<i>Others...</i>
<i>Production of new research ideas</i>	.....

All the competences below apply to this course unit:

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Adapting to new situations
- Decision-making
- Working independently and Team-work
- Working in an international environment
- Working in an interdisciplinary environment
- Respect for difference and multiculturalism
- Respect for the natural environment
- Showing social, professional and ethical responsibility and sensitivity to gender issues
- Criticism and self-criticism
- Production of free, creative and inductive thinking

3. SYLLABUS

The following topics are covered in the course unit
• Introductory Concepts, Greek Shipping – 1st in the world in terms of carrying capacity, Evolution and Composition of the Greek Fleet, Flag Registers, Classification societies, The largest Greek shipping companies, Organization of Shipping Companies, Contribution of Greek Shipping to the National Economy • Economic analysis of the shipping industry: Business and other actors involved in the sector, Maritime markets and their characteristics, Various types of ships and markets in which they operate • Categories of costs of shipping companies and factors affecting them • Revenues of shipping companies and factors affecting them • Net cash flows of shipping companies and their use in investment decision-making • Introduction to Maritime Finance - Sources of Funding • Maritime financing through banks • Stock market products and maritime financing • Management of Risks in Shipping and Derivatives

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used in teaching, communication with the students, uploading of class material, assignments, etc.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	24
	Study and analysis of bibliography	80
	Interactive teaching	3
	Educational visits	3
	Group Assignment and Essay Writing	15
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive,</i>	The language of evaluation is Greek Assessment takes place through a) examination (90%) and b) optional group assignment and presentation (10%). In case students choose not to take the group assignment, the	

<i>multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	examination counts for 100% of the overall marks. The examination includes mostly problem solving but may also include short-answer questions The evaluation criteria for the examination and the assignment are presented and discussed in the class.
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5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Kavussanos, M. G. and Visvikis, I., 'Το Διεθνές Εγχειρίδιο Ναυτιλιακής Χρηματοοικονομικής, Θεωρία και Πρακτική', Broken Hill Publishers, 2018. in Greek, 575 σελίδες.
- Kavussanos, M.G. and Visvikis, I., 'The International Handbook of Shipping Finance, Theory and Practice', Palgrave MacMillan, London, UK, 2016 pages. in English
- Slogget G.E., *Shipping Finance*, Fairplay Publications
- Paine Frank, *The financing of Ship acquisitions*, Fairplay Publications
- Harwood Stephen, *Shipping Finance*, Euromoney Books
- Kavussanos, M.G. and Visvikis, I., "Theory and Practice of Shipping Freight Derivatives", Risk Books, Incisive Financial Publishing, London, 2011, 257 pages.
- Kavussanos, M.G., Tsouknidis, D. and Visvikis, I., 'Freight Derivatives and Risk Management in Shipping', Taylor and Francis, 2021.
- Kavussanos, M.G. and S. Marcoulis, (2001), 'Risk and Return in Transportation and other US and Global Industries', Kluwer Academic Publishers.
- Panayides Ph.M. (2002), *Recent Developments in International Shipping Finance*, London: Informa Publications.
- Kavussanos, M.G. and Visvikis, I., 'Capital markets and the shipping industry', Lloyd's Maritime Information Services publications, A Lloyd's MIU Publication, Informa Business, London, 2007.
- Stopford, M., (2009), *Maritime Economics*, Routledge, London.

- Related academic journals:

Transportation Research Part E, Maritime Economics and Logistics, Maritime Policy and Management, *Marine Policy*, *Journal of Transport Economics and Policy*, *International Journal of Transport Economics*, *Transportation Research*, Parts A, B, C, D, E, *Transport Reviews*, *Transport Policy*, *Journal of Banking and Finance*, *Journal of Finance*, *Journal of Derivatives*, *The Journal of Futures Markets*, *Review of Derivatives Research*.

COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71238p	SEMESTER	4 th
COURSE TITLE	Macrofinance		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
		4	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>		4	5
COURSE TYPE	SPECIAL BACKGROUND		

<i>general background, special background, specialised general knowledge, skills development</i>	
PREREQUISITE COURSES:	NO
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	ENGLISH
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO
COURSE WEBSITE (URL)	https://eclass.aueb.gr/courses

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Students after completing this course should be familiar with:

- National Accounts
- Components of Aggregate Demand
- The Aggregate Supply
- Demand and Money Supply
- General equilibrium of National Income
- Business Cycles: Fiscal and Monetary policies
- Monetary Policy Transmission, Interest Rate Channel, Credit Channel, Balance Sheet Channel, Bank Lending Channel
- The Financial System and The Real Economy, Capital Market Imperfections and Real Investment Decisions

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

.....

Others...

.....

(3) SYLLABUS

• Thematic Area 1: National Accounts Presentation of the basic national accounting identities. National and Domestic Income. Interpretation of external sector imbalances. • Thematic Area 2: Components of Aggregate Demand Aggregate Demand: the permanent hypothesis and the life-cycle hypothesis of consumer behavior. Aggregate Private Investment: the neo-classical theory and the q-theory variant. • Thematic Area 3: The Aggregate Supply The natural level of Output. The Labor market: demand and supply of labor. Definition and theories of unemployment. • Thematic Area 4: Demand and Money Supply Presentation of Monetary Mechanics, alternative models for Money Demand, Definition of Money Supply and different monetary aggregates. • Thematic Area 5: General equilibrium of National Income The IS/LM framework. Monetary and fiscal policy. Policy multipliers. Neo-classical and Keynesian approaches. • Thematic Area 6: Business Cycles: Fiscal and Monetary policies Definition of Business Cycles, behavior of macroeconomic variables across its phases, the conduct of Fiscal and Monetary Policies as stabilization mechanisms. • Thematic Area 7: Monetary Policy Transmission, Interest Rate Channel, Credit Channel, Balance Sheet Channel, Bank Lending Channel How Monetary Policy Shocks are transmitted to the real economy, presentation and analysis of the various channels. • Thematic Area 8: The Financial System and The Real Economy, Capital Market Imperfections and Real Investment Decisions The behavior of real investment decisions in imperfect capital markets, financial constraints, uncertainty and frictions.
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(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face																						
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	https://eclass.aueb.gr/courses																						
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<table> <tr> <th>Activity</th><th>Semester workload</th></tr> <tr> <td>lectures</td><td>125</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr> <td>Course total</td><td>(5x25)=125</td></tr> </table>	Activity	Semester workload	lectures	125																	Course total	(5x25)=125
Activity	Semester workload																						
lectures	125																						
Course total	(5x25)=125																						
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work,</i>	The evaluation is based on the final exams (weight 100%).																						

<i>essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	
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(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Abel. A., B. Bernanke, D. Groushore, (2017). «Μακροοικονομική», εκδόσεις ΚΡΙΤΙΚΗ (ΑΒ), 3η έκδοση.
- Mankiw, G., (2002). «Μακροοικονομική Θεωρία», εκδόσεις GUTENBERG, (M)
- Cecchetti, S., and Schoenholtz, K., (2016). «Χρήμα-Τράπεζες και Χρηματοπιστωτικές Αγορές», 4^η έκδοση, Broken Hill
- Bernanke, B. and M. Gertler (1995), 'Inside the black box: the credit channel of monetary policy transmission.' Journal of Economic Perspectives, 9, 4, 27-48.
- Colander, David (2004). "The Strange Persistence of the IS-LM Model". History of Political Economy 36 (Annual Supplement): 305–322
- Fazzari, S., Hubbard, G., and B. Petersen (1988), 'Financing constraints and corporate investment.' Brookings Papers on Economic Activity, 1, pp. 141-95.
- Hubbard, G. (1998), 'Capital market imperfections and investment.' Journal of Economic Literature, 35, pp. 193-225.
- Stadler, G. (1994). *Real Business Cycles*, Journal of Economics Literature, Vol. XXXII, pp. 1750–1783.
- Kashyap, A. and J. Stein (2000), 'What do a million observations on banks say about the transmission of monetary policy?' American Economic Review, 90, pp. 407-28.
- Levine, R., Loayza, N., and T. Beck (2000), 'Financial intermediation and growth: causality and causes.' Journal of Monetary Economics, 46, 31-77.
- Modern Money Mechanics, 1994. Federal Reserve Bank of Chicago.
- Sriram, Subramanian S. (2001). "A Survey of Recent Empirical Money Demand Studies," IMF Staff Papers, 47(3). International Monetary Fund. 334–65.

Useful Databases for data collection:

- Bank for International Settlements: <http://www.bis.org/>
- European Banking Authority: <http://www.eba.europa.eu>
- European Central Bank: <http://www.ecb.europa.eu>
- Board of Governors of the Federal Reserve System: federalreserve.gov

COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Business		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	bm71137p	SEMESTER	4 th
COURSE TITLE	Master Dissertation		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g.</i>		WEEKLY TEACHING HOURS	CREDITS

<i>lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		
		15
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>		
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Special background	
PREREQUISITE COURSES:	All master courses should have been completed.	
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek	
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No	
COURSE WEBSITE (URL)	https://eclass.aueb.gr/modules/document/?course=LOXR371	

(2) LEARNING OUTCOMES

Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i> Consult Appendix A • Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area • Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B • Guidelines for writing Learning Outcomes	
Master dissertation intends to provide a unique opportunity to student to develop and apply research methods in fields that are relevant to the master program. The overall objective is that students will (a) acquire special knowledge on the research topic, (b) review the relevant literature, (c) enhance their critical thinking by developing research hypotheses, (d) collect and analyze empirical data, and (e) acquire research skills in deducing solid inferences.	
General Competences <i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?</i>	
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i>	<i>Project planning and management</i> <i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> Others...
<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Working independently</i> <i>Criticism</i> <i>Production of free, creative and inductive thinking</i>	

(3) SYLLABUS

The conduct of dissertation requires students to write a research thesis that reviews the relevant literature, develops research hypotheses, collects and analyzes relevant data, presents empirical results, and makes conclusions. The content of the dissertations includes the following sections:

1. Abstract
2. Introduction
3. Literature review
4. Hypothesis development
5. Research design
6. Sample and descriptive statistics
7. Empirical results
8. Robustness tests
9. Summary and conclusions
10. References
11. Appendices

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>		
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>		
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Writing the dissertation	375
	Course total	
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	The evaluation of the dissertation depends on a several criteria that examine each section and the overall presentation. The following criteria are relevant: Abstract It presents the research question and its contribution in the field. It presents the research objective and the research methodology. It summarizes the empirical results. Introduction It presents the significance of the research question and the research motivation. It links the research question with the extant literature. It presents clearly the research hypothesis. The dissertation is relevant to the master program. Literature Review The literature review is clear and well structured. The literature review is relevant to the research question.	

	The literature review collects and compares relevant studies. Hypothesis development There are logical arguments that develop the research hypothesis. The arguments are connected and consistent with the extant literature. There are arguments that support and contradict the research hypotheses to provide different perspectives. Research design The research design is linked to the research question. The research design is sufficiently justified. The econometric model is linked to the economic model. The variables have been clearly defined. Sample and descriptive statistics The sample composition is justified and connected to the research question. Sample criteria are clearly presented. Descriptive statistics are clearly presented by industry and year. Empirical results The empirical results are linked to the research hypotheses. The empirical results are appropriately explained statistically and econometrically. The presentation of the results is of high quality. Tables are clear and easily accessible. Summary and conclusions The summary of the dissertation is clear. The key points are presented concisely. The contribution is clearly presented. Key limitations are acknowledged. Further research opportunities are proposed. Overall presentation The dissertation guide has been followed. The language of the dissertation is formal. Terminology is appropriately used. There is clarity and lack of syntax or punctuation errors. Citations are appropriately presented. The Dissertation is supported before a three-members examination committee and its evaluation relies on strict scientific criteria related to originality, depth and analysis, composition and quality.

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Dissertation guide, Department of Accounting & Finance, Athens University of Economics and Business

- Related academic journals:

- The Accounting Review, Journal of Accounting and Economics, Journal of Accounting Research, Contemporary Accounting Review, Accounting, Organizations and Society, Review of Accounting Studies, The International Journal of Accounting, European Accounting Review, Journal of International Accounting, Auditing and Taxation, etc.
- Journal of Finance, Journal of Financial Economics, Review of Financial Studies, Journal of Business, Financial Management Journal, Journal of Corporate Finance, Journal of Banking and Finance, Journal of Financial and Quantitative Analysis, Journal of Futures Markets, Journal of Derivatives, etc.

PART III: STUDENT INFORMATION

GENERAL STUDENT INFORMATION

The Athens University of Economics and Business provides not only high-quality education but also high-quality student services. The adoption of the Presidential Decree 387/83 and Law 1404/83 defines the operation, organization, and administration of Student Clubs at Universities, which aim at improving the living conditions of the students and enhance their social and intellectual wellbeing through engagement and socialization initiatives.

To fulfill this objective the University ensures the required infrastructure for housing, meals, and sports activities through the operation of a student restaurant, reading rooms, library, organization of lectures, concerts, theatrical performances, and excursions in Greece and abroad. Further in this context, the University supports the development of international student relations, organizes foreign language classes, computer/software literacy classes, and courses in modern Greek as a foreign language for foreign students and expatriated Greek students.

Detailed information on meals, housing, fitness, foreign languages, cultural activities, scholarships, financial aid, is provided on the website of AUEB's Student Club at <https://lesxi.aueb.gr/>

Electronic Services

A significant number of procedures related to both attendance and student care are carried out electronically through applications of the University or the Ministry of Education and Religious Affairs. All applications are accessible with the same codes (username & password).

- **E-mail account:**

Detailed instructions for using the Webmail Service are provided at <https://www.aueb.gr/el/content/webmail-manual>

- **Electronic Secretariat (Student Register)**

The Electronic Secretariat application is the information system through which students can be served by the Department's Secretariat via the web <https://e-grammateia.aueb.gr/?lang=en>

- **Wireless network**

Using their personal codes, students have access to a wireless network in all areas of the Athens University of Economics and Business buildings/campus. <https://www.aueb.gr/en/content/wi-fi-connection>.

- **E-Learning Platform – ECLASS**

The Open eClass platform is an integrated Electronic Course Management System and is the proposal of the Academic Internet (GUnet) to support Asynchronous Distance Education Services.

Instructions are provided at <https://eclass.aueb.gr/info/manual.php>

Medical Services, Insurance / Healthcare

Undergraduate, postgraduate and PhD students at the University who have no other medical and hospital care are entitled to full medical and hospital care in the National Health System with coverage of the relevant costs by the National Health Service Provider. A psychiatric counseling service also operates at the University, staffed with a physician specializing in the treatment of mental health issues.

More information at <https://www.aueb.gr/en/content/health-care> .

Services/Facilities to Students with Special Needs

The Athens University of Economics and Business ensures the facilitation of students with special needs, through the design, implementation, and environmental adaptations, for access to the university building facilities. In the main building there are specially configured lifting machines, ramps, and elevators. There are also special regulations for conducting exams for students with special needs.

The Athens University of Economics and Business has established a Committee for Equal Access for people with disabilities and people with special educational needs. The Commission is an advisory body and submits recommendations to the competent bodies for the formulation and implementation of the policy of equal access for persons with disabilities and persons with special educational needs.

Through the Library services, students with physical disabilities are granted electronic access to the recommended Greek bibliography of the courses taught at the University. In this context, the Association of Greek Academic Libraries (SEAB) has developed a multimodal electronic library called AMELib.

More information is available at <https://www.aueb.gr/en/lib/content/users-additional-needs>.

Academic Advisor

The Academic Advisor has the obligation to inform, discuss and advice students regarding the structure and curriculum of the program, the option of attending scientific seminars and lab sessions in order to optimize performance in the program's examinations, the syllabi and outlines of the elective courses, the job placement opportunities and available liaisons with the labor markets, or any other issue that may arise during their studies at the MSc program.

The MSc program in Accounting and finance has appointed the following academic advisors according to the stream of studies attended:

- Professor Dimosthenis Hevas- Accounting & Finance specialization
- Professor Spyros Spyrou- Accounting & Finance specialization
- Professor Aphroditi Papadaki- Accounting & Auditing specialization
- Professor Konstantinos Drakos- Accounting & Auditing specialization
- Professor Leonidas Doukakis- Finance, Investments & Risk Management specialization
- Professor Athanasios Episcopos- Finance, Investments & Risk Management specialization

Library and Study Rooms

The Library & Information Center of the University operates at the University's main building. The AUEB Library is a member of the Hellenic Academic Libraries Association (Heal-LINK), the European Documentation Centers Europe Direct and the Economic Libraries Cooperation Network (DIOBI).

Three Documentation Centers operate within the library:

- The European Documentation Center

- The Organization for Economic Cooperation and Development (OECD) Documentation Center
- The Delegation Center of the World Tourism Organization (WHO)

The library contributes substantially both to meeting the needs for scientific information of the academic community and to supporting studying and research. The library provides access to:

- printed collection of books and scientific journals,
- course books used in modules,
- collection of electronic scientific journals& books
- postgraduate theses and doctoral theses that are produced in Athens University of Economics and Business and deposited in digital form at the PYXIDA institutional repository
- sectoral studies
- statistical series by national and international organizations
- audiovisual material
- information material (encyclopedias, dictionaries)
- databases on the topics used by the University
- printed collections of other academic libraries

The library lends all its printed collections, except for magazines and statistical series, in accordance with its internal rules of operation. The Library and Information Center offers reading rooms, computer workstations for visitors, photocopiers and printing machines, and interlibrary loan of books and journal articles from other academic libraries that are members of its network. More information at <https://www.aueb.gr/en/library>.

International Programs and Information on International Student Mobility

Athens University of Economics and Business is actively involved in the Erasmus+ Program since 1987 promoting cooperation with universities, businesses, and international organizations of the European Union (EU) as well as in the mobility of students, teaching, and administrative staff.

In addition, strengthening its internationalization objectives, it creates new opportunities through the Erasmus+ International Mobility Program. Within this framework, mobility scholarships are granted through the State Scholarships Foundation (SSF) to incoming and outgoing students of the three study cycles, according to the funding approved each year by the State Scholarship Foundation for the University. Outgoing students have the possibility to spend a period of study at a Partner Institution outside the EU with full academic recognition through the application of the ECTS credits system <https://www.aueb.gr/en/erasmus>

Student Associations

Various student clubs and associations are active within the community of the Athens University of Economics and Business (<https://www.aueb.gr/en/content/student-clubs>).

Alumni Network

Adhering to a long tradition of educating future top executives in the economic, social, and political life of the country, AUEB is proud that thousands of its graduates hold leading positions in companies, organizations, research institutes and universities in Greece and abroad. Understanding the importance of developing and strengthening the bond with its graduates, AUEB created its Alumni network including a platform <https://alumni.aueb.gr> where all graduates of the University can register. The main objectives of the Network are the connection of the graduates with their colleagues and former fellow students, and diffusion of information about activities, services, and events in and around the University that concern them. Additional information on Clubs and Alumni Associations is available on the website <https://alumni.aueb.gr/en>

Volunteer Program

Within the framework of its strategies, the "AUEB Volunteers" Volunteering Program was launched in September 2017. The aim of the Program is to highlight important social issues and the value of participation and practical contribution, but also to raise community awareness regarding the 17 UN Sustainable Development Goals. Actions are developed around two pillars: (a) actions addressed to AUEB's Community, which have as their main objective the maintenance of the quality of the University's infrastructure based on their aesthetics and functionality, and (b) actions addressed to Greek society. (<https://www.aueb.gr/volunteers>).

Quality Assurance

The Athens University of Economics & Business implements a quality assurance policy to continuously improve the quality of its study programs, research activities and administrative services, and upgrade the academic and administrative processes and the University's operations. The Quality Assurance Unit (MODIP) operating at AUEB coordinates and supports evaluation processes. Particularly the quality assurance of the educational process is achieved using the module/teaching evaluation questionnaire completed by AUEB students. (<https://aueb.gr/modip>).

Training and Lifelong Learning Center

The Center for Training and Lifelong Learning (**KEDIVIM**) is an AUEB unit which ensures the coordination and interdisciplinary cooperation in the development of training programs, continuing education, training and in general lifelong learning, which complement, modernize and/or upgrade knowledge, competences, and skills, acquired from formal education, vocational education and initial vocational training systems or from work experience, facilitating integration or reintegration in the labor market, job security and professional and personal development. (<https://diaviou.aueb.gr/en/>).