

Sustainability in Sports

(1) GENERAL

SCHOOL	SCHOOL OF INFORMATION SCIENCES & TECHNOLOGY		
ACADEMIC UNIT	DEPARTMENT OF STATISTICS		
LEVEL OF STUDIES	POSTGRADUATE		
COURSE CODE		TRIMESTER	2 OR 5
COURSE TITLE	Sustainability in Sports		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
		3	5
		30	5
COURSE TYPE	Specialization Elective in Applied Sports Analytics		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	ENGLISH		
COURSE DELIVERY METHOD	Distance		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBSITE (URL)	https://cloud.aueb.gr/index.php/s/4EBPYt5LsSSeosH		

(2) LEARNING OUTCOMES

Learning outcomes
• Understand the basic principles of Sustainable Development in sports and their importance for modern sports organizations. • Become familiar with the concept and dimensions of the environmental footprint of sports. • Develop knowledge of environmental sustainability strategies aimed at reducing the impact of sporting activities. • Understand and implement social sustainability programs within sports organizations and events. • Introduction to economic sustainability principles in sports and the benefits of adopting sustainable practices. • Become familiar with data management and statistical applications for evaluating environmental initiatives. • Understand the role of marketing sustainable practices and attracting sponsorships through ecological initiatives. • Develop skills to measure the environmental footprint of sports events using surveys and analytical methods. • Cultivate the ability to design and implement sustainability strategies in sports organizations and events.
General Competences

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| <ul style="list-style-type: none">• Adaptation to new situations• Decision-making skills• Respect for the natural environment |

(3) SYLLABUS

The aim of this course is to train students in the implementation of Sustainable Development programs within sports organizations. Specifically, students will become familiar with strategies to reduce the environmental footprint of sports organizations, as well as the implementation of social sustainability programs. The course focuses on the following thematic areas: Introduction to Sustainable Development in Sports. The Environmental Footprint of Sports. Environmental Sustainability in Sports. Social Sustainability in Sports. Economic Sustainability in Sports. Benefits of Implementing Sustainable Practices. Data Management and Statistical Applications for Environmental Sustainability. Marketing of Environmental Practices and Sponsorship Attraction. Changing Perceptions through Ecology and Sports. Measuring the Environmental Footprint of a Sports Event Using Survey-Based Methods

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Distance	
METHOD AND FREQUENCY OF COMMUNICATING WITH THE STUDENTS	Remotely via email and through weekly office hours (and whenever necessary) via teleconferencing or in-person office visits.	
ENSURING COMMUNICATION AMONG STUDENTS	Teleconference, Chat via eclass and/ or TEAMS, and QA sessions	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	MS Teams, e-class, MS Outlook, R, Python, WayGround or Kahoot educational games and quizzes	
REQUIRED EQUIPMENT AND TECHNOLOGY KNOWLEDGE	Camera, mic, PC, MS Office, and TEAMS	
COURSE POLICY ON PLAGIARISM AND PLAGIARISM DETECTION TOOLS	Turnitin	
COURSE POLICY ON USE OF AI TOOLS	The use of Artificial Intelligence is permitted with explicit reference to the bibliography (2) for the verbal correction of assignments and as long as students have understood the basic principles and methods of the course.	
TEACHING METHODS	Activity	Semester workload
	Lectures	30
	Assignment writing	40
	Lab Exercise	20
	Self-Study hours	40
	Course total	130
STUDENT PERFORMANCE EVALUATION	Evaluation language is English. Evaluation methods include lab exercises, written assignments, and/or written examinations. Oral examinations of the assignments may be conducted if clarifications are needed or if there are suspicions of plagiarism or unauthorized use of Artificial Intelligence tools. Assessment criteria are provided on the course eClass platform and in the course materials.	

(5) RECOMMENDED BIBLIOGRAPHY

- Parnell, D., & Widdop, P. (Eds.). (2015). Sport and Sustainability: Environmental Challenges and Strategic Solutions. Routledge.