

COURSE OUTLINE

1. GENERAL INFORMATION

FACULTY	ECONOMY AND MANAGEMENT		
DEPARTMENT	ORGANIZATIONS MANAGEMENT, MARKETING, AND TOURISM		
LEVEL OF STUDY	UNDERGRADUATE		
COURSE CODE	1605-230723	SEMESTER	7th
TITLE	SUSTAINABILITY IN THE TOURIST FLOW SYSTEM		
Autonomous Teaching Activities		WEEKLY TEACHING HOURS	CREDITS
Lectures		3	5
COURSE TYPE	OPTIONAL COURSE (dir.)		
PREREQUISITE COURSES	NONE		
TEACHING LANGUAGE	GREEK AND ENGLISH		
COURSE OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBPAGE (URL)			

2. LEARNING OUTCOMES

Learning outcomes
<p>Upon successful completion:</p> <ol style="list-style-type: none"> 1. the student will be able to understand the concept of sustainability as a whole in the tourist traffic system that includes land, sea, and mainly air transport. 2. the course will help to understand the key operational challenges facing airlines and airports now and, in the future, as most of the intercontinental-global tourist transport is implemented through airlines and airports. 3. the course will also contribute to the understanding of the theories required for the quantification of performance indicators related to the operation of airports and airlines (environmental impact, cost, capacity, efficiency, and safety). 4. application of the relevant theories for modeling, measurements, and analysis in applications will be related to the operation of existing and future tourist flow systems.
General Skills
<ul style="list-style-type: none"> • Search, analysis and synthesis of data and information, using the necessary technologies • Adaptation to new situations • Decision making • Autonomous work • Teamwork • Work in an international environment • Work in an interdisciplinary environment

- Production of new research ideas
- Respect for diversity and multiculturalism
- Respect for the natural environment

3. COURSE CONTENT

The content of the course deals with the following topics:

1. Introduction to the concept of sustainability in the tourist trafficking system. Determinants.
2. Tourism behavior and attitude towards climate change. Factors influencing the shaping of the future tourism product, especially in the field of aviation.
3. Analysis of the current situation regarding the contribution of tourist trafficking companies to the overall environmental footprint.
4. Aviation Emissions and Climate Impacts
5. "Green airports" and "green air transport"
6. Environmental behavior certification systems of the tourist trafficking system (land-air-sea).
7. Quantifying elements of environmental performance indicators in optimizing the operations of airlines and airports.

4. TEACHING AND LEARNING METHODS - ASSESSMENT

TEACHING METHOD	Face to Face	
ICT USE	Use of Information and Communication Technologies (ICT) in Teaching. Namely: <ul style="list-style-type: none"> • PC, POWERPOINT • USE OF PROFESSIONAL EQUIPMENT IN LABORATORY EDUCATION • MULTIMEDIA • INTERNET • E-MAIL 	
TEACHING ORGANIZATION	<i>Activities</i>	<i>Working Load per Semester</i>
	Lectures	50
	Bibliographic study and analysis	20
	Assignment Preparation and Presentation	30
	TOTAL	150
ASSESSMENT	Language of Assessment: Greek Evaluation methods: Short answer and multiple-choice questions. Written paper with a public presentation. Final written examination. Evaluation criteria: Participation in the course. Success in test answers and final exam.	

	<p>Written work and successful presentation based on the following elements:</p> <p>A. Title and originality of the theme.</p> <p>B. Summary of the topic.</p> <p>C. Importance of research (topic).</p> <p>D. Definition of the research problem.</p> <p>E. definition of hypotheses and research questions.</p> <p>F. Research design.</p> <p>G. Bibliographic review.</p> <p>H. Bibliography and references.</p> <p>I. successful public presentation with critical analysis of arguments and findings.</p> <p>I. Managing questions from the audience.</p> <p>The criteria are published on the course website.</p>
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5. REFERENCES

-Suggested bibliography:

- Budd, T. (2017). Environmental impacts and mitigation. In L. Budd & S. Ison (Eds.), *Air transport management* (pp. 283–306). Surrey, UK: Ashgate.
- Akerman, J. (2005) Sustainable air transport—on track in 2050, *Transportation Research Part D: Transport and Environment*, Volume 10, Issue 2, March 2005, Pages 111-126, Elsevier
- Sau-Sanchez, P., Pallares-Barbara, M., & Paul, V. (2011). Incorporating annoyance in airport environmental policy: Noise, societal response, and community participation. *Journal of Transport Geography*, 19(2), 275–284.
- Walker, T. et. al (Sustainable Aviation Greening the Flight Path, Palgrave-McMillan 2020
- Lee, D. S., Fahey, D. W., Forster, P. M., Newton, P. J., Wit., R. C. N., Lim, L. L., et al. (2009). Aviation and global climate change in the 21st century. *Atmospheric Environment*, 43(22–23), 3520–3537.
- Sustainable Tourism on a Finite Planet Megan Epler Wood (Earthscan from Routledge, 2017)
- International Cases in Sustainable Travel & Tourism, Edited by Dagmar Lund-Durlacher (Goodfellow Publishers, 2013)
- Green Growth and Travelism: Letters from Leaders, Edited by Geoffrey Lipman, Terry DeLacy, Shaun Vorster, Rebecca Hawkins, and Min Jiang (Goodfellow Publishers, 2012)
- Fotis Kilipiris (2009). Sustainable Tourism Development: Empirical approaches. Disigma Thessaloniki.

Related scientific journals

- *Air transport management*
- *Journal of Transport Geography*
- Annals of Tourism Research
- Journal of Hospitality and Tourism Research
- Journal of Travel & Tourism Marketing
- Journal of Sustainable Tourism Management