



COURSE DESCRIPTION

1. GENERAL

SCHOOL	ECONOMIC SCIENCES		
DEPARTMENT	TOURISM		
LEVEL	Undergraduate		
COURSE CODE	INF150	SEMESTER	8 th
COURSE TITLE	Design and Development of Tourism Digital Services		
INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS	ECTS	
Lectures	4	5	
COURSE CATEGORY	Skills Development		
COURSE TYPE	Elective		
PREREQUISITES	-		
LANGUAGE OF TEACHING AND EXAMINATIONS	Greek		
THE COURSE IS OFFERED TO ERASMUS STUDENTS			
URL	https://tourism.ionio.gr/en/undergraduate-studies/courses/1224/		
ECLASS			

2. TEACHING RESULTS

Teaching Results
Upon successful completion of the course, the student will be able to: <ul style="list-style-type: none">• recognize and understand the organizational, administrative, and technological framework around Tourism technologies and services.• perform market analysis, as well as specifications and requirements analysis.• distinguishes between design and development models and the different implementation phases in IT projects for Tourism.• become familiar with the existing principles and practices governing the design of user interfaces.• adopt rules, good practices, and international trends in the design of user navigation and browsing and the personalization of content and services.• develop applications/systems based on human-centered/user-centered approaches.• use market, performance, and targeting metrics and indicators.• design interactive systems and immersive applications for Tourism.• analyze, process, and visualize information from applications for smart cities/smart tourism.• implement cultural tourism applications and services.
General Skills

3. CONTENT

This course teaches students the basic skills for the development of digital tourism applications, specifically during the phases of analysis, design, implementation, and validation. It also covers the fundamentals of software life cycles, design quality, software development processes, and project management while also focusing on the interaction between IT applications and organizational processes and related standards and tools.

The course plan per week for the total of 13 weeks of lessons is as follows:

Theoretical Lectures

Week 1



Educational Technology

Week 2

Design-Appearance

Week 3

Navigation-Browse

Week 4

Design steps of the proposed model

Week 5

Number systems and codes

Week 6

Description of logic circuits

Week 7

Combinational logic circuits

Week 8

MSI logic circuits

Week 9

Digital systems project using HDL

Week 10

Devices - Memory

Week 11

Architectures of programmable logic devices

Week 12

Mapping the cultural heritage

Week 13

Case study

Lab Lectures

The lab lectures are organized with the aim of applying the theory in practical exercises and examples. There is a lab lecture planned for each theoretical lecture.

4. TEACHING AND LEARNING METHODS - EVALUATION

TEACHING METHOD									
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES	<ul style="list-style-type: none"> • Using specialized design and development software • Using powerpoint presentations • Learning process support through the e-class electronic platform (https://opencourses.ionio.gr/courses/DTO213/) • Viewing tourist content videos from the internet 								
TEACHING STRUCTURE	<table> <tbody> <tr> <td>Activity</td> <td>Semester Workload</td> </tr> <tr> <td>Lectures</td> <td>52</td> </tr> <tr> <td>Literature Study and Analysis</td> <td>73</td> </tr> <tr> <td>Course Total (ECTS: 5)</td> <td>125</td> </tr> </tbody> </table>	Activity	Semester Workload	Lectures	52	Literature Study and Analysis	73	Course Total (ECTS: 5)	125
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Lectures	52								
Literature Study and Analysis	73								
Course Total (ECTS: 5)	125								
EVALUATION OF STUDENTS	<ul style="list-style-type: none"> • Multiple Choice Questions • Short Answer Questions • Problem Solving Exercises 								



- Written Assignment
- Oral Exam
- Public Presentation
- Laboratory Work

5. BIBLIOGRAPHY

1) Ψηφιακές εφαρμογές σε Μουσειακά περιβάλλοντα

Κωδικός Βιβλίου στον Εύδοξο: 86057175

Έκδοση: Α/2014

Συγγραφείς: Μαίρη Καμπουροπούλου, Ιωάννα Ευσταθίου

ISBN: 978-618-5059-33-0

Τύπος: Σύγγραμμα

Διαθέτης (Εκδότης): Κ.Θ.ΜΠΑΜΠΑΛΗΣ ΜΟΝΟΠΡΟΣΩΠΗ Ι.Κ.Ε.

2) Εισαγωγή στις εφαρμογές των ψηφιακών τεχνολογιών στη εκπαίδευση

Κωδικός Βιβλίου στον Εύδοξο: 86055158

Έκδοση: 1η/2019

Συγγραφείς: Φεσάκης Γιώργος

ISBN: 978-960-01-1998-5

Τύπος: Σύγγραμμα

Διαθέτης (Εκδότης): Γ. ΔΑΡΔΑΝΟΣ - Κ. ΔΑΡΔΑΝΟΣ Ο.Ε.

3) ΨΗΦΙΑΚΑ ΣΥΣΤΗΜΑΤΑ

Κωδικός Βιβλίου στον Εύδοξο: 77108038

Έκδοση: 12/2018

Συγγραφείς: WIDMER, MOSS, TOCCI

ISBN: 9789603307754

Τύπος: Σύγγραμμα

Διαθέτης (Εκδότης): ΓΡΗΓΟΡΙΟΣ ΧΡΥΣΟΣΤΟΜΟΥ ΦΟΥΝΤΑΣ