COURSE DESCRIPTION

1. GENERAL

SCHOOL	ECONOMIC SCIENCES		
DEPARTMENT	TOURISM		
LEVEL	Undergraduate		
COURSE CODE	INF110	**SEMESTER**	3rd
COURSE TITLE	Information Systems in Tourism		
INDEPENDENT TEACHING ACTIVITIES		**WEEKLY TEACHING HOURS**	**ECTS**
Lectures		4	5
COURSE CATEGORY	Specific Background		
COURSE TYPE	Compulsory		
PREREQUISITES	-		
LANGUAGE OF TEACHING AND EXAMINATIONS	Greek		
THE COURSE IS OFFERED TO ERASMUS STUDENTS			
URL	https://tourism.ionio.gr/en/undergraduate-studies/courses/1170/		
ECLASS	https://opencourses.ionio.gr/courses/DTO149/		

2. TEACHING RESULTS

Teaching Results
The course focuses on the information systems that support tourism, recreation and more broadly the service industries. It provides students with a theoretical knowledge of the ways in which information technology transforms these industries and the potential impact of technological development in the future through the development and effective management of information infrastructures and systems. The course also provides students with the opportunity to acquire and/or develop practical computing skills for use in their education and future careers. Upon successful completion of the course, the student will be able to: • understand basic concepts of Information Systems • separates the various functions of the tourism business and the needs for information • it has a systemic approach to the concept of tourism businesses • separates and operates in a tourism and wider business environment • understand and separate the concepts of data, information, information • it separates the organizational levels of the tourism business and the information systems implemented by level • separates the organizational levels of the tourism business and computer systems implemented by level plans a tourist information database • it uses professional tourism management programs (e.g. Protel)
General Skills

3. CONTENT

The course focuses on information systems that support tourism, recreation and more broadly the service sectors. It provides students with a theoretical knowledge of the ways in which information technology transforms these industries and the potential impacts of technological development in the future through the development and effective management of information infrastructures and systems. The course also provides students with the opportunity to acquire and / or develop practical computing skills to use in their education and future careers Week 1

Identification of intra-business and inter-business information systems-strategies and methods for the development and management of IT systems for tourism. Basic IT forms and types applied in the tourism industry.

Week 2

Definitions of Information System, Definitions of Information and Data

Week 3

The system development environmen. The sources of software

Week 4

Information Systems Project Management

Week 5

Design and selection of Systems. Systems Analysis

Week 6

Identification of system requirements

Week 7

Structuring system requirements: process modeling, conceptual data modeling

Week 8

Design of the human-computer interface & database design

Week 9

Database Design: entity relationship diagrams, relational diagram

Week 10

Database Design: create tables, Import Data, queries

Week 11

Information technology systems

Week 12

IT systems applications in hospitality businesses

Week 13

Protel F. O. Hospitality Integrated Technologies S. A. (H. i. t., 2014).

4. TEACHING AND LEARNING METHODS - EVALUATION

TEACHING METHOD	
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES	• Use ICT in teaching, in laboratory education, in communication with students. Supporting the learning process through the E-Class platform (https://opencourses.ionio.gr/courses/DTO149/
TEACHING STRUCTURE	Activity Semester Workload Lectures 52 Literature Study and 73

	Analysis	
	Course Total (ECTS: 5)	**125**
EVALUATION OF STUDENTS	• Computer Lab Exercises • Mid-Term Examination • Written Examination	

5. BIBLIOGRAPHY

1. Κωνσταντίνος Νεράντζης "Πληροφοριακά συστήματα και εφαρμογές σε επιχειρήσεις φιλοξενίας", Εκδόσεις ΠΡΟΠΟΜΠΟΣ" ΚΙΜΕΡΗΣ Κ. ΘΩΜΑΣ
2. David Avison, Guy Fitzgerald, «Προηγμένα Πληροφοριακά Συστήματα - Από τη Θεωρία στην Πράξη», Εκδόσεις Νέων Τεχνολογιών, 2007. Γιάννης Πολλάλης
3. Αθανάσιος Βοζίκης, «Πληροφοριακά Συστήματα Διαχείρισης Επιχειρησιακών Πόρων:Στρατηγικές & Εφαρμογές», Utopia εκδόσεις, 2009.
4. Kenneth C. Laudon, Jane P. Laudon, "Πληροφοριακά Συστήματα Διοίκησης", Εκδόσεις Κλειδάριθμος, 11η Αμερικάνικη έκδοση 2014. ALAN DENNIS, BARBARA
5. HALEY WIXOM, DAVID TEGARDEN, "ΑΝΑΛΥΣΗ & ΣΧΕΔΙΑΣΜΟΣ ΣΥΣΤΗΜΑΤΩΝ ΜΕ ΤΗ UML 2.0: ΜΙΑ ΑΝΤΙΚΕΙΜΕΝΟΣΤΡΕΦΗΣ ΠΡΟΣΕΓΓΙΣΗ", Εκδόσεις Κλειδάριθμος, 2010.
6. David Avison, Guy Fitzgerald, «Ανάπτυξη Προηγμένων Πληροφοριακών Συστημάτων - Μεθοδολογίες και Εργαλεία», Εκδόσεις Νέων Τεχνολογιών, 2007.