(B) Course information in english

General course information:

Course title:	AIRPORT SYSTEM PLANNING AND OPERATION	**Course code:**	CE09_T06
Credits:	6	**Work load (hours):**	150

Course level:	Undergraduate	✱	Graduate	☐
Course type:	Mandatory	☐	Selective	✱
Course category:	Basic	☐	Orientation	✱

Semester:	10th	**Hours per week:**	4 hours

Course objectives (capabilities pursued and learning results):

Upon successful completion of the course students are able to:

1. Understand the importance of aviation, domestically and internationally, as well as the principles, procedures and systems governing their proper conduct.
2. Recognize and implement system planning.
3. Study aerial and ground infrastructure.
4. Describe and implement standard on airport systems planning, design, and management

Prerequisites:

None

Instructor's data:

Name:	Dr Eleni Misokefalou
Level:	
Office:	
Tel. – email:	emisokef@uth.gr
Other tutors:	

Specific course information:

Week No.	Course contents	Hours	
		Course attendance	Preparation
1	Introduction and basic concepts on design and operation of airport systems	4	3
2	The domestic and international environment of aviation	4	3
3	Basic study tools	4	4
4	System planning	4	6
5	The airside (1/3): Aircraft - Airfield design	4	4
6	The airside (2/3): Demand management	4	4
7	The airside (3/3): Air traffic management	4	4
8	The landside (1/3): Passengers buildings - Facilities	4	4
9	Land infrastructure (2/3): Freight terminals	4	4
10	Land infrastructure (3/3): Access and distribution - Airport security	4	4
11	Airlines and airports organization and management - Financial data	4	4
12	Visit to the International Airport El. Venizelos	4	4
13	Heliports - Review Course – Final comments on projects	4	4
14	Presentations	4	4

Additional hours for:			
Class project	Examinations	Preparation for examinations	Educational visit
12	4	18	4

Suggested literature:

1. De Newfuille, R., Odoni, A. (2003). Airports Systems. McGraw-HillPublishing. ISBN: 978-007-138-477-3

Teaching method *(select and describe if necessary* - **weight***):*		
Teaching	✱	50%
Seminars	✱	20%
Demonstrations	☐	…….%
Laboratory	☐	…….%
Exercises	✱	20%
Visits at facilities	✱	10%
Other *(describe):* …….	☐	…….%
Total		100%

Evaluation method *(select)*- **weight:**				
	written	*%*	*Oral*	*%*
Homework	☐		☐	
Class project	✱	20	✱	20
Interim examination	☐		☐	
Final examinations	✱	60	☐	
Other *(describe):* ……	☐		☐	