

COURSE OUTLINE

1. GENERAL

SCHOOL	ENGINEERING		
DEPARTMENT	ARCHITECTURE		
LEVEL OF COURSE	UNDERGRADUATE		
COURSE CODE	ARC_992	SEMESTER OF STUDIES	10
COURSE TITLE	DESIGN THESIS 2		
INDEPENDENT TEACHING ACTIVITIES		TEACHING HOURS PER WEEK	ECTS CREDITS
	Lectures, seminars		
	Studio Work & Assignments	12	
			30
COURSE TYPE	Field of Science (Architectural Design) and Skills Development		
PREREQUISITE COURSES:	YES. Students must have successfully completed all previous courses summing up to 270 ECTS.		
TEACHING AND ASSESSMENT LANGUAGE:	Greek.		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBPAGE (URL)	http://www.arch.upatras.gr/en/study/undergraduate/arc992-design-thesis-2-4254.html		

2. LEARNING OUTCOMES

The successful examination in the courses "Design Thesis 1 & 2" constitutes, after the "Research Thesis", the second fundamental requirement for obtaining the Diploma of Architect Engineer. It certifies the student's ability to practice architecture and related fields as a designer at a sufficiently high level of complexity and depth and to conduct design research of a sufficient degree of originality.

The "Design Thesis" is the final integrated synthetic subject of architectural studies and has a character of design research. Its subject falls within any of the cognitive subjects of the undergraduate program of studies of the Department and is treated as a very important final teaching process of the studies, intended to prove the completion of the analytical and synthetic, scientific and artistic abilities of the students. It is conducted individually or in groups of two people.

With the elaboration of the Design Thesis, the students of Architecture prove their ability to determine the essence of the problems related to the architectural practice today, regardless of the scale and extent or framework of intervention (geographical, social, technological, cultural, etc. .), to solve complex problems based on clear criteria by combining appropriate elements from various fields of knowledge and to produce works with an essential awareness of their wider cultural dynamics.

General Competences:

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology.

Respect for difference and multiculturalism

Respect for the natural environment

Project planning and management

Adapting to new situations

Decision-making Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

<i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Others ...</i>	<i>Production of free, creative and inductive thinking</i> <i>Production of new research ideas</i>
<p>Generally, by the end of this course the student will, furthermore, have develop the following general abilities:</p> <ul style="list-style-type: none"> • <i>Searching, analysis and synthesis of facts and information, as well as using the necessary technologies</i> • <i>Respect for diversity and multiculturalism</i> • <i>Respect to natural environment</i> • <i>Independent and group work</i> • <i>Multi-disciplinary work</i> • <i>Decision making</i> • <i>Excercise of criticism and self-criticism</i> • <i>Promotion of free, creative and inductive thinking</i> • <i>Demonstration of social, professional and ethical responsibility.</i> • <i>Work design and management</i> 	

3. COURSE CONTENT

The "Design Thesis" is a product of close collaboration between students and tutors (supervisors) that evolves through different phases: from the initial identification of the design object to the completion of the design proposal through many personalized meetings and intense exchange of views on various issues in appropriate places and circumstances inside or outside the facilities of the Department. The general method and process of approach is analogous to the advanced architectural design workshops, but the topics of the meetings are enriched by the specific requirements of the individual issues.

4. TEACHING AND LEARNING METHODS - ASSESSMENT

TEACHING METHODS	Lectures, seminars and Studio Work Face to Face.	
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES	Use of Information and Communication Technologies (ICTs)	
TEACHING ORGANIZATION	Activity	Work Load per Semester
	Face to face meetings	75
	Field Work	75
	Individual study & Literature review	75
	Edit Research findings	100
	Design exploration and execution	300
	Execution of drawings and models	125
	Total number of hours for the Course (25 hours of work-load per ECTS credit)	750 hours (total student work-load)
STUDENT ASSESSMENT	The thesis preparation process is divided into two semester courses, the "Diploma Thesis 1" (10 ECTS) which is the first stage of	

	<p>the thesis preparation and is completed with an intermediate control of the student's course, and the "Diploma Thesis 2" (30 ECTS) which is the second stage of elaboration and is completed with the overall final examination of the work. The examination of the dissertation is done by a three-member committee consisting of the supervisor and two faculty members.</p> <p>The dissertation includes an analysis component and a design component of high complexity. It is examined during a public hearing as an oral support and as an exhibition of drawings, models, and other presentation elements. The Design Thesis is delivered as a printed volume containing texts, drawings, photographs and other visual material.</p>
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5. RECOMMENDED LITERATURE (incl. Books in Greek)

The recommended literature is tailored to the needs of each specific project.