

## COURSE OUTLINE

### 1. GENERAL

<b>SCHOOL</b>	ENGINEERING		
<b>DEPARTMENT</b>	ARCHITECTURE		
<b>LEVEL OF COURSE</b>	UNDERGRADUATE		
<b>COURSE CODE</b>	ARC_991	<b>SEMESTER OF STUDIES</b>	9
<b>COURSE TITLE</b>	DESIGN THESIS 1		
<b>INDEPENDENT TEACHING ACTIVITIES</b>		<b>TEACHING HOURS PER WEEK</b>	<b>ECTS CREDITS</b>
	Seminars, meetings	<b>4</b>	
	Studio Work & Assignments		
			<b>10</b>
<b>COURSE TYPE</b>	Field of Science (Architectural Design) and Skills Development		
<b>PREREQUISITE COURSES:</b>	NO		
<b>TEACHING AND ASSESSMENT LANGUAGE:</b>	Greek.		
<b>THE COURSE IS OFFERED TO ERASMUS STUDENTS</b>	NO		
<b>COURSE WEBPAGE (URL)</b>	<a href="http://www.arch.upatras.gr/en/study/undergraduate/arc991-design-thesis-1-4252.html">http://www.arch.upatras.gr/en/study/undergraduate/arc991-design-thesis-1-4252.html</a>		

### 2. LEARNING OUTCOMES

The successful examination in the courses "Design Thesis 1 & 2" constitutes, after the "Research Thesis", is 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.

Design Thesis 1 constitutes the preparation phase of the whole Design Thesis, leading to Design Thesis 2. It contains the following elements or processes: conduct research directly related to the subject of each individual Design Thesis subject, editing and presentation of the basic elements of the research (statistics, photographic, historical or other documentation, interviews, field data, etc.) and the presentation of conclusions. These are submitted and presented at the end of the 9<sup>th</sup> semester.

Design Thesis 1 is an independent course and is evaluated separately from Design Thesis 2

#### 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*

*Working independently*

*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>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"> <li>• <i>Searching, analysis and synthesis of facts and information, as well as using the necessary technologies</i></li> <li>• <i>Decision making</i></li> <li>• <i>Independent and group work</i></li> <li>• <i>Production of new research ideas</i></li> <li>• <i>Respect for diversity and multiculturalism</i></li> <li>• <i>Respect to natural environment</i></li> <li>• <i>Multi-disciplinary work</i></li> <li>• <i>Excercise of criticism and self-criticism</i></li> <li>• <i>Promotion of free, creative and inductive thinking</i></li> <li>• <i>Demonstration of social, professional and ethical responsibility and sensitivity to gender issues.</i></li> <li>• <i>Work design and management</i></li> </ul>	

### 3. COURSE CONTENT

Design Thesis 1 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

<b>TEACHING METHODS</b>	Lectures, seminars and Studio Work Face to Face.	
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</b>	Use of Information and Communication Technologies (ICTs)	
<b>TEACHING ORGANIZATION</b>	<b>Activity</b>	<b>Work Load per Semester</b>
	Face to face meetings	25
	Field Work	25
	Individual study & Literature review	50
	Design exploration and execution	75
	Edit Research findings	50
	Execution of drawings and models	25
	<b>Total number of hours for the Course (25 hours of work-load per ECTS credit)</b>	<b>250 hours (total student work-load)</b>

<b>STUDENT ASSESSMENT</b>	Design Thesis 1 (10 ECTS) is the first stage of the thesis preparation and is completed by an intermediate assessment by the supervising professor of the students' progress, leading to the subsequent phase of Design Thesis 2. The evaluation of Design Thesis 1 examines the cohesion and clarity of the subject that the students choose to focus on, its originality and interesting attributes, the extension, depth and completeness of this preparatory research, the editing of the findings and the ability to present the findings of the research in a comprehensive and critical manner.
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##### **5. RECOMMENDED LITERATURE (incl. Books in Greek)**

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