

## COURSE OUTLINE

### (1) GENERAL

<b>SCHOOL</b>	SCHOOL OF SCIENCES		
<b>ACADEMIC UNIT</b>	DEPARTMENT OF MATHEMATICS		
<b>LEVEL OF STUDIES</b>	POSTGRADUATE <b>Studies in Mathematics</b>		
<b>COURSE CODE</b>	<b>D1.2</b>	<b>SEMESTER</b>	
<b>COURSE TITLE</b>	TOPICS IN ANALYSIS		
<b>INDEPENDENT TEACHING ACTIVITIES</b>	<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS</b>	
	2	6.5	
<b>COURSE TYPE</b>	SPECIALISED GENERAL KNOWLEDGE		
<b>PREREQUISITE COURSES:</b>	NO		
<b>LANGUAGE OF INSTRUCTION and EXAMINATIONS:</b>	GREEK		
<b>IS THE COURSE OFFERED TO ERASMUS STUDENTS</b>	YES		
<b>COURSE WEBSITE (URL)</b>	<a href="http://www.math.aegean.gr/index.php/en/academics/undergraduate-programs">http://www.math.aegean.gr/index.php/en/academics/undergraduate-programs</a>		

### (2) LEARNING OUTCOMES

<b>Learning outcomes</b>
<p>Upon completion of the learning process, the student will be able to:</p> <ul style="list-style-type: none"> <li>• Understand advanced postgraduate level topics in the field of Analysis. .</li> <li>• Use the knowledge and understanding acquired to solve problems in the field of the course.</li> <li>• Gather and interpret relevant data to form judgments on scientific issues.</li> <li>• Communicate information, ideas, problems and solutions to both specialized and non-specialized audiences.</li> <li>• Develop those knowledge acquisition skills needed to continue at a research level with a high degree of autonomy.</li> </ul>
<b>General Competences</b>
<p>Working independently. Team work. Working in an interdisciplinary environment. Production of free, creative and inductive thinking. Search for analysis and synthesis of data and information.</p>

### (3) SYLLABUS

The syllabus is determined by the lecturer.

### (4) TEACHING and LEARNING METHODS - EVALUATION

<b>DELIVERY</b>	Face-to-face	
<b>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</b>	Communication with students via e-mail	
<b>TEACHING METHODS</b>	<b>Activity</b>	<b>Semester workload</b>
	Lectures	26
	Independent study	99
	Written assignments	37.5
	Course total (25 per ECTS)	<b>162.5</b>
<b>STUDENT PERFORMANCE EVALUATION</b>	Student evaluation is done in Greek through a written examination which includes short-answer equations and problem solving.	

	For students with disabilities, evaluation takes place via oral exams.
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**(5) ATTACHED BIBLIOGRAPHY**

The bibliography is determined by the lecturer.
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