

COURSE OUTLINE

(1) GENERAL

SCHOOL	SCHOOL OF SCIENCES		
ACADEMIC UNIT	DEPARTMENT OF MATHEMATICS		
LEVEL OF STUDIES	UNDERGRADUATE PROGRAM		
COURSE CODE		SEMESTER	F
COURSE TITLE	MATHEMATICS FOR THE SECONDARY EDUCATION		
INSTRUCTOR			
INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS	CREDITS	
	3	4,5	
COURSE TYPE	Specialised general knowledge		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBSITE (URL)	http://www.math.aegean.gr/index.php/en/academics/undergraduate-programs		

(2) LEARNING OUTCOMES

Learning outcomes
Objectives of the course are to get prospective teachers in touch with Secondary Education Mathematics, the theory of teaching objectives as well as their taxonomy.
General Competences
Working independently. Team work. Working in an interdisciplinary environment.

(3) SYLLABUS

Objectives of mathematics teaching. Teaching Objectives – Bloom, Gras, Wood, Wilson Taxonomies. Teaching Exercises and Student Assessment. Teaching Methods. Teaching Forms. Teaching Course (Herbart, Whitehead, tripartite course, Morrison). Teaching Models (Grasser, British, American, Gagne).	
TEACHING MATERIAL DISTRIBUTION	The teaching material of the course is uniformly distributed during the semester.

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	Communication with students via e-mail	
TEACHING METHODS	<i>Activity</i>	<i>Semester workload</i>
	Lectures	39
	Independent study	73,5
	Course total (25 per ECTS)	112,5
COURSE COMMITMENTS	Attending course is not obligatory.	
STUDENT PERFORMANCE EVALUATION	Student's evaluation is done in Greek through a written examination. For students with disabilities, evaluation takes place via oral exams.	

(5) ATTACHED BIBLIOGRAPHY

1. Κολέζα, Ε. Γ., Μακρή, Κ. Ν., Σούρλας, Κ. Β.(2000). Θέματα Διδακτικής των Μαθηματικών. Αθήνα: Gutenberg.