1. OVERVIEW

FACULTY	FACULTY OF HUMANITIES AND SOCIAL SCIENCES						
SECTION	DEPARTMENT OF PRIMARY EDUCATION						
LEVEL OF STUDY	UNDERGRADUATE						
COURSE TITLE							
Entertaining mathematics: From mathematical puzzles to mathematical theories							
COURSE CODE	MA1201	SEMESTER	7				
HOURS per WEEK	3	ECTS	4				
COURSE CATEGORY	Elective	COURSE TYPE	Scientific subject				
LANGUAGE OF INSTRUCTION AND EXAMINATIONS	Modern Greek	PREREQUISITES	MA0101, MA0102				
OFFERED TO ERASMUS	YES	ECLASS PAGE	https://eclass.uth.gr/courses/PRE_U_132/				

2. LEARNING OUTCOMES

Learning	Outcomes	
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Upon successful completion of the course, students are expected to have their mathematical knowledge both deepened and broadened and to be familiar both with the collaborative and the problem solving method of teaching mathematics.

General Competencies

Ability to study independently and in collaboration

Analytic and Synthetic thinking

Justification - Argumentation

3. CONTENT

Discrete Mathematics, in particular Graph Theory and finite group theory.

4. TEACHING AND LEARNING METHODS - ASSESSMENT

TEACHING MODE	In person					
USE OF ICT	Power point if ne Communication:	-				
COMPULSORY ATTENDANCE	NO		MAXIMUM NUMBER OF ABSENCES:			
TEACHING ORGANIZATION	Activity			Semester Workload (hours)		
	Lectures			39		
	Study			59		
	Examination			2		
	Course total			100		
EVALUATION						
	Тур	е	Format	Wei	ghting	
	Final written exam Open-Ended Questions		6	50%		
	Active participation		4	10%		
				100%		
	Description of other evaluation method / Evaluation criteria:					

5. RECOMMENDED BIBLIOGRAPHY

Core textbooks (available through the Eudoxus service)

Ψυχαγωγικά Μαθηματικά (συγγραφέας Χατζηκυριάκου Κώστας) ISBN : 978-618-228-126-0 (https://repository.kallipos.gr/handle/11419/11098?&locale=el)