

COURSE OUTLINE

1. GENERAL

SCHOOL	NATURAL SCIENCES		
DEPARTMENT	MATHEMATICS		
LEVEL OF COURSE	UNDERGRADUATE		
COURSE CODE	MAT_OR263	SEMESTER OF STUDIES	4 th
COURSE TITLE	ENGLISH FOR ACADEMIC PURPOSES		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>	TEACHING HOURS PER WEEK	ECTS CREDITS	
Lectures and Tutorials	4	6	
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Elective course		
PREREQUISITE COURSES:	<u>Recommended prerequisite knowledge:</u> Students are required to be Independent Users – Upper Intermediate Level (B1, B2)		
TEACHING AND ASSESSMENT LANGUAGE:	English		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	Yes		
COURSE WEBPAGE (URL)	http://eclass.math.upatras.gr/courses/MATHDEP912		

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning*

and Appendix B

- *Guidelines for writing Learning Outcomes*

- To familiarize students with mathematical terminology for the effective understanding and use of the bibliography related to their subject.
- To develop students' different combinations of various language operations so that they can attend conferences, present reports and papers and communicate their English adequately in a scientific context.
- To enable students to follow spoken and written instructions and to produce effectively the language of their science.

General Abilities

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

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

Others...

- Research, analysis and composition of data and information.
- Autonomous work.
- Teamwork.
- Ability to work in an international environment.
- Ability to work in an interdisciplinary environment.
- Respect for diversity and multiculturalism.
- Demonstration of social, professional and moral responsibility and sensitivity related to sex issues.
- Ability to promote free, productive and inductive thinking.

3. COURSE CONTENT

Texts and exercises on English for academic purposes and basic mathematical terminology. Review of grammar and structure of the English language. Comprehension of scientific texts, basic principles of academic writing and making presentations.

- ✓ English Mathematical Terminology.
- ✓ Word Formation (Prefixes, Suffixes).
- ✓ Points and lines.
- ✓ Fractions and ordinals.
- ✓ Arithmetic.
- ✓ Surfaces and angles.
- ✓ Spaces and volumes.
- ✓ Measuring.
- ✓ Algebra and formulas.
- ✓ Tables and graphs.
- ✓ The scientific method.
- ✓ Statistics and systems.
- ✓ Design Theory.
- ✓ Logic.
- ✓ Ethics.
- ✓ Astronomy and Computer science.
- ✓ Computer networking.
- ✓ Careers and options.
- ✓ Organizing your writing.
- ✓ Academic writing.
- ✓ Making a presentation.

4. TEACHING AND LEARNING METHODS - ASSESSMENT

<p>TEACHING METHOD <i>Face-to-face, Distance learning, etc.</i></p>	<p>Lectures (face to face)</p> <p>Students are encouraged to interact with each other, to take notes, to summarize, to classify and follow instructions. Listening comprehension and multimedia techniques are also used.</p>	
<p>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES <i>Use of ICT in teaching, laboratory education, communication with students</i></p>	<p>✓ Use of powerpoint. ✓ eClass platform.</p>	
<p>TEACHING ORGANIZATION <i>The manner and methods of teaching are described in detail.</i></p> <p><i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i></p> <p><i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i></p>	<p>Activity</p>	<p>Semester workload</p>
	<p>Lectures</p>	<p>52</p>
	<p>Personal Study</p>	<p>50</p>
	<p>Preparation for the examination</p>	<p>46</p>
	<p>Final examination</p>	<p>2</p>
	<p>Total number of hours for the Course (25 hours of work-load per ECTS credit)</p>	<p>150</p>
<p>STUDENT ASSESSMENT <i>Description of the evaluation procedure</i></p> <p><i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i></p> <p><i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i></p>	<p>Assessment Language: English Assessment Language for Erasmus students: English</p> <p>Assessment methods: Written examination at the end of the teaching semester including: <ul style="list-style-type: none"> ✓ Multiple choice questions ✓ Short questions and answers ✓ Essay / Report </p> <p>Minimum passing grade: 5 Maximum passing grade: 10</p>	

5. RECOMMENDED LITERATURE

Μέσω του Ευδόξου συνιστώνται τα παρακάτω συγγράμματα:

- Evans Virginia, Dooley Jenny and Norton Elizabeth. *Career Paths Science Student's Book & Cross-platform Application*. Express Publishing, 2016.
- Phillips Terry. *Technical English - Course Book*. Garnet, 2011

Additional teaching material:

- McCarthy Michael and O'Dell Felicity. *Academic Vocabulary in Use*. Cambridge University Press, 2008.
- McCarthy Michael and O'Dell Felicity. *English Vocabulary in Use – Advanced*. Cambridge University Press, 2012.
- Porter David. *Check your Vocabulary for Academic English*. A & C Black Publishers, 2007.
- Vince Michael. *Advanced Language Practice*. Macmillan, 2003.
- Haines Simon and May Peter. *IELTS –Masterclass*. Oxford University Press, 2006.
- Hewings Martin. *Advanced Grammar in Use*. Cambridge University Press, 2005.