

Incoming student mobility

UNIOS University Unit: DEPARTMENT OF MATHEMATICS

COURSES OFFERED IN FOREIGN LANGUAGE FOR ERASMUS+ INDIVIDUAL INCOMING STUDENTS

Department or Chair within the UNIOS Unit	Department of Mathematics
Study program	<i>Graduate university study programme in mathematics (Master level)</i> Branches: <ul style="list-style-type: none"> • <i>Financial Mathematics and Statistics-elective</i> • <i>Mathematics and Computer Science-elective</i>
Study level	Graduate (master)
Course title	Decision Theory
Course code (if any)	M048
Language of instruction	English
Brief course description	Syllabus. <ol style="list-style-type: none"> 1. Introduction: basic terms, the process of decision making. 2. Decision making under uncertainty. Table of decision making, basic criteria for analysis in case of uncertainty. Expected value. Tree of decision making. 3. Multiple-criteria decision analysis, relations, preference relation. Methods which use referent points. Methods for determining weighted criterions, method of eigenvector, method of entropy, Hierarchical decision making (AHP method). 4. Group decision making, methods for group decision making.
Form of teaching	Consultative teaching.
Form of assessment	The exam consists of a written and an oral part, and it can be taken after the completion of lectures and seminar papers. Students can take mid-term exams during the semester. Acceptable mid-term exam scores replace the written examination. Students can do their homework and thus improve their final grade.
Number of ECTS	4

ERASMUS+

EU programme for education, training, youth and sport

Class hours per week	1+0+1
Minimum number of students	
Period of realization	Summer semester
Lecturer	<i>Dragana Jankov Maširević</i>