

## DESCRIPTION OF THE COURSE OF STUDY

<b>Course code</b>	0541.6.MAT2.E.PM1	
<b>Name of the course in</b>	Polish	<b>Pracownia magisterska I</b>
	English	<b>Master Thesis Workshop I</b>

## 1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

<b>1.1. Field of study</b>	mathematics
<b>1.2. Mode of study</b>	full-time studies
<b>1.3. Level of study</b>	Graduate (Master)
<b>1.4. Profile of study*</b>	general academic profile of studies
<b>1.5. Person/s preparing the course description</b>	prof. dr hab. Taras Banakh, dr hab. Michał Wojciechowski
<b>1.6. Contact</b>	<a href="mailto:t.o.banakh@gmail.com">t.o.banakh@gmail.com</a> , <a href="mailto:tbanakh@ujk.edu.pl">tbanakh@ujk.edu.pl</a>

## 2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

<b>2.1. Language of instruction</b>	Polish and English
<b>2.2. Prerequisites*</b>	Lectures from the first semester connected with the subject of the seminar

## 3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

<b>3.1. Form of classes</b>	workshop	
<b>3.2. Place of classes</b>	classes in the UJK teaching room	
<b>3.3. Form of assessment</b>	graded credit	
<b>3.4. Teaching methods</b>	Lectures and discussions	
<b>3.5. Bibliography</b>	<b>Required reading</b>	Depending on the subject of lectures
	<b>Further reading</b>	

## 4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED LEARNING OUTCOMES

<b>4.1. Course objectives (including form of classes)</b> <i>Workshop:</i> C1 – deepening knowledge relevant to a chosen branch of mathematics C2 – presentation of the newest research papers and monographs on a chosen subject C3 – improvement of abilities to prove mathematical theorems and construct examples C4 – preparation of students to precise formulation of results of own work in oral and written form C5 – proficiency in unassisted planning of own work and finding useful information
<b>4.2. Detailed syllabus (including form of classes)</b> <i>Workshop:</i> Acquisition of mathematical literature relevant to a subject of the seminar. Acquisition of the specialized knowledge and terminology. Selection of available literature with regard to a subject of the seminar.

## 4.3. Intended learning outcomes

<b>Code</b>	<b>A student, who passed the course</b>	<b>Relation to learning outcomes</b>
within the scope of <b>KNOWLEDGE:</b>		
W01	Has a deepened knowledge from a chosen branch of mathematics	MAT2A_W02
W02	Has an orientation in actual directions of development of a chosen branch of mathematics	MAT2A_W03
within the scope of <b>ABILITIES:</b>		
U01	Constructs mathematical reasoning, proves theorems and constructs examples and counter-examples	MAT2A_U01
U02	Presents mathematical contents in oral and written form in miscellaneous mathematical texts	MAT2A_U02
U03	Constructs mathematical models used in different advanced applications	MAT2A_U11
U04	Finds ourselves information about the subject, also in foreign languages	MAT2A_U13
within the scope of <b>SOCIAL COMPETENCE:</b>		
K01	Plans effectively his own work	MAT2A_K01

4.4. Methods of assessment of the intended learning outcomes		
Teaching outcomes (code)	Method of assessment (+/-)	
	Report *	
	Form of classes	
	W	
W01	+	
W02	+	
U01	+	
U02	+	
U03	+	
U04	+	
K01	+	

\* delete as appropriate

4.5. Criteria of assessment of the intended learning outcomes		
Form of classes	Grade	Criterion of assessment
Workshop (W)	3	at least 50% and no more than 60% of the total number of points possible
	3,5	more than 60% and no more than 70% of the total number of points possible
	4	more than 70% and no more than 80% of the total number of points possible
	4,5	more than 80% and no more than 90% of the total number of points possible
	5	more than 90% of the total number of points possible

#### 5. BALANCE OF ECTS CREDITS – STUDENT'S WORK INPUT

Category	Student's workload	
	Full-time studies	Extramural studies
<i>NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/</i>	<b>30</b>	
<i>Participation in seminars*</i>	30	
<i>INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/</i>	<b>20</b>	
<i>Preparation to seminars and preparation of report *</i>	20	
<i>TOTAL NUMBER OF HOURS</i>	<b>50</b>	
ECTS credits for the course of study	<b>2</b>	

\* delete as appropriate

**Accepted for execution** (date and legible signatures of the teachers running the course in the given academic year)

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