

Course Syllabus**I. General Information**

Course name	Application of mathematics
Programme	Mathematics
Level of studies (BA, BSc, MA, MSc, long-cycle MA)	BA
Form of studies (full-time, part-time)	Full-time
Discipline	Mathematics
Language of instruction	Dr Andrzej Michalski

Course coordinator/person responsible	
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Type of class (<i>use only the types mentioned below</i>)	Number of teaching hours	Semester	ECTS Points
lecture			10
tutorial			
classes			
laboratory classes			
workshops			
seminar	30+30	V+VI	
introductory seminar			
foreign language classes			
practical placement			
field work			
diploma laboratory			
translation classes			
study visit			

Course pre-requisites	None
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II. Course Objectives

C1. To prepare the BA thesis.
C2. To prepare the presentation of the BA thesis.
C3. To prepare for the BA thesis defence.

III. Course learning outcomes with reference to programme learning outcomes

Symbol	Description of course learning outcome	Reference to programme learning outcome
KNOWLEDGE		
W_01	W_01 Results contained in the BA thesis and their proofs (K_W04)	K_W04
W_02	Basic theorems of studied branches of mathematics (K_W04)	K_W04
SKILLS		
U_01	Prepare and present internally coherent mathematical text on a selected topic of a BA thesis (K_U36)	K_U36
SOCIAL COMPETENCIES		
K_01	Present the results contained in the BA thesis and discuss the topics related to BA thesis (K_K01, K_K02, K_K03, K_K05, K_K06, K_K07)	K_K01, K_K02, K_K03, K_K05, K_K06, K_K07

IV. Course Content

Defining the topic of work. Preparing the source materials. Developing the source materials.
Preparing the BA thesis content. Thesis edition. Preparing for defense.

V. Didactic methods used and forms of assessment of learning outcomes

Symbol	Didactic methods <i>(choose from the list)</i>	Forms of assessment <i>(choose from the list)</i>	Documentation type <i>(choose from the list)</i>
KNOWLEDGE			
W_01	conversational lecture, discussion	paper	BA thesis, protocol
W_02	conversational lecture, discussion	oral test	protocol
SKILLS			
U_01	conversational lecture, discussion	paper, oral test	BA thesis, protocol
SOCIAL COMPETENCIES			
K_01	conversational lecture, discussion	paper, oral test	BA thesis, protocol

VI. Grading criteria, weighting factors.....

Assessment based on the advancement of the BA thesis and oral test:

91 – 100% excellent

81 – 90% very good

71 – 80% good

61 – 70% satisfactory

51 – 60% sufficient

less than 51% fail

Detailed assessment rules are given during the seminar.

VII. Student workload

Form of activity	Number of hours
Number of contact hours (with the teacher)	<i>Seminar: 60 hrs.</i> Individual consultations: 60 h <i>In total: 120 h</i>
Number of hours of individual student work	<i>Preparing for seminar: 60 h</i> Studying books: 120 h Preparing the BA thesis content: 180 h Preparing for defense: 120 h <i>In total: 480 h</i>

VIII. Literature

Basic literature
Depending on the topic of the BA thesis.
Additional literature
Depending on the topic of the BA thesis.