

## DESCRIPTION OF THE COURSE OF STUDY

|                              |                  |                             |
|------------------------------|------------------|-----------------------------|
| <b>Course code</b>           | 0541.6.MAT1.E.SD |                             |
| <b>Name of the course in</b> | Polish           | <b>Seminarium dyplomowe</b> |
|                              | English          | <b>BA Diploma seminar</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>                            | Undergraduate (Bachelor)            |
| <b>1.4. Profile of study*</b>                         | general academic profile of studies |
| <b>1.5. Person/s preparing the course description</b> | dr Magdalena Nowak                  |
| <b>1.6. Contact</b>                                   | mnowak@ujk.edu.pl                   |

## 2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

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

## 3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

|                                |                                  |                                      |
|--------------------------------|----------------------------------|--------------------------------------|
| <b>3.1. Form of classes</b>    | Seminar lectures                 |                                      |
| <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><br><i>Seminars:</i><br>C1 - deepening knowledge relevant to a chosen branch of mathematics<br>C2 - acquiring the skills of preparing and editing thesis<br>C3 - making the habit of learning, improving one's own work technique   |  |
| <b>4.2. Detailed syllabus (including form of classes)</b><br><i>Seminars:</i><br>1. Presentations of selected articles in the field of undergraduate thesis topics.<br>2. Collection of professional literature in terms of the topic of the thesis. Translation from English of excerpts articles.<br>2. Assimilation of mathematical content needed for the construction of the thesis.<br>3. Formulation of the thesis topic, selection of substantive content, examples and counter-examples.<br>4. Oral presentation of the results of the thesis under preparation. Discussion of the main theses of undergraduate theses.<br>5. Substantive guidance. |  |

## 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                                   | describes the main issues in a selected area of mathematics  | MAT1A_W01<br>MAT1A_W02<br>MAT1A_W03<br>MAT1A_W04<br>MAT1A_W05<br>MAT1A_W14<br>MAT1A_W17 |
| W02                                   | Locates the subject matter of the work in mathematics and knows its application                            | MAT1A_W01<br>MAT1A_W02<br>MAT1A_W17   |
| within the scope of <b>ABILITIES:</b> |  |   |
| U01                                   | Carries out the selected topic using correct mathematical reasoning, selects examples and counter-examples | MAT1A_U01<br>MAT1A_U19  |
| U02                                   | Expresses mathematical content orally and in writing correctly in terms of content and editing             | MAT1A_U01<br>MAT1A_U02<br>MAT1A_U14   |

|   |  |                                     |
|---|--|-------------------------------------|
| U03   | takes care of the proper layout of the work, completeness of theses, correctness of conclusions                      | MAT2A_U16                           |
| U04   | plans his work and works systematically  | MAT1A_U18<br>MAT1A_U19              |
| U05   | independently searches for information in available sources  | MAT1A_U15                           |
| U06   | uses a variety of communication techniques with the instructor and other students                                    | MAT1A_U14                           |
| within the scope of <b>SOCIAL COMPETENCE:</b> |  |                                     |
| K01   | precisely formulates questions to deepen one's own understanding of a topic or finding missing elements of reasoning | MAT1A_K01<br>MAT1A_K06<br>MAT1A_K07 |
| K02   | skillfully communicates with others using a variety of techniques, shows empathy and sense of responsibility         | MAT1A_K03                           |

| 4.4. Methods of assessment of the intended learning outcomes |                            |   |     |                 |   |     |                 |   |   |                  |   |   |                 |   |   |                 |   |     |   |   |     |
|--|----------------------------|---|-----|-----------------|---|-----|-----------------|---|---|------------------|---|---|-----------------|---|---|-----------------|---|-----|---|---|-----|
| Teaching outcomes<br>(code)                                  | Method of assessment (+/-) |   |     |                 |   |     |                 |   |   |                  |   |   |                 |   |   |                 |   |     |   |   |     |
|  | Exam oral/written*         |   |     | Test*           |   |     | Project*        |   |   | Effort in class* |   |   | Self-study*     |   |   | Group work*     |   |     | Others* e.g. standardized test used in e-learning |   |     |
|  | Form of classes            |   |     | Form of classes |   |     | Form of classes |   |   | Form of classes  |   |   | Form of classes |   |   | Form of classes |   |     |   |   |     |
|  | L                          | C | ... | L               | C | ... | L               | C | S | L                | C | S | L               | C | S | L               | C | ... | L   | C | ... |
| W01  |                            |   |     |                 |   |     |                 | + |   |                  | + |   |                 | + |   |                 |   |     |   |   |     |
| W02  |                            |   |     |                 |   |     |                 | + |   |                  | + |   |                 | + |   |                 |   |     |   |   |     |
| U01  |                            |   |     |                 |   |     |                 | + |   |                  | + |   |                 | + |   |                 |   |     |   |   |     |
| U02  |                            |   |     |                 |   |     |                 | + |   |                  | + |   |                 | + |   |                 |   |     |   |   |     |
| U03  |                            |   |     |                 |   |     |                 | + |   |                  | + |   |                 | + |   |                 |   |     |   |   |     |
| U04  |                            |   |     |                 |   |     |                 | + |   |                  | + |   |                 | + |   |                 |   |     |   |   |     |
| U05  |                            |   |     |                 |   |     |                 | + |   |                  | + |   |                 | + |   |                 |   |     |   |   |     |
| U06  |                            |   |     |                 |   |     |                 | + |   |                  | + |   |                 | + |   |                 |   |     |   |   |     |
| K01  |                            |   |     |                 |   |     |                 | + |   |                  | + |   |                 | + |   |                 |   |     |   |   |     |
| K02  |                            |   |     |                 |   |     |                 | + |   |                  | + |   |                 | + |   |                 |   |     |   |   |     |

\* delete as appropriate

| 4.5. Criteria of assessment of the intended learning outcomes |       |   |
|---|-------|---|
| Form of classes   | Grade | Criterion of assessment   |
| Seminars<br>(S)   | 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 |
| NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/ | 60                 |                    |
| Participation in seminars*   | 60                 |                    |
| INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/                           | 140                |                    |
| Development of a multimedia presentation                                     | 20                 |                    |
| Preparation to seminars  | 120                |                    |
| TOTAL NUMBER OF HOURS  | 200                |                    |
| ECTS credits for the course of study   | 8                  |                    |

\* 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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