

## Subject card

|                                                          |                                                                                                                                                                                                                                                                           |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------|------------|-----|
| Subject name and code                                    | Master Diploma Lab I, PG_00168794                                                                                                                                                                                                                                         |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |
| Field of study                                           | Mathematical Modeling and Data Analysis                                                                                                                                                                                                                                   |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |
| Date of commencement of studies                          | October 2024                                                                                                                                                                                                                                                              |                                                          | Academic year of realisation of subject                                                                                                                                                                                                                                                                    |                                     | 2025/2026                                      |            |     |
| Education level                                          | Master's studies                                                                                                                                                                                                                                                          |                                                          | Subject group                                                                                                                                                                                                                                                                                              |                                     | Obligatory subject group in the field of study |            |     |
| Mode of study                                            | full-time studies                                                                                                                                                                                                                                                         |                                                          | Mode of delivery                                                                                                                                                                                                                                                                                           |                                     | at the university                              |            |     |
| Year of study                                            | 2                                                                                                                                                                                                                                                                         |                                                          | Language of instruction                                                                                                                                                                                                                                                                                    |                                     | Polish                                         |            |     |
| Semester of study                                        | 3                                                                                                                                                                                                                                                                         |                                                          | ECTS credits                                                                                                                                                                                                                                                                                               |                                     | 2.0                                            |            |     |
| Learning profile                                         | academic                                                                                                                                                                                                                                                                  |                                                          | Assessment form                                                                                                                                                                                                                                                                                            |                                     | credit                                         |            |     |
| Conducting unit                                          | Institute of Mathematics -> Faculty of Mathematics, Physics and Informatics -> Rector                                                                                                                                                                                     |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |
| Name and surname of lecturer (lecturers)                 | Subject supervisor                                                                                                                                                                                                                                                        |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |
|                                                          | Teachers                                                                                                                                                                                                                                                                  |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |
| Lesson types                                             | Lesson type                                                                                                                                                                                                                                                               | Lecture                                                  | Tutorial                                                                                                                                                                                                                                                                                                   | Laboratory                          | Project                                        | Seminar    | SUM |
|                                                          | Number of study hours                                                                                                                                                                                                                                                     | 0.0                                                      | 0.0                                                                                                                                                                                                                                                                                                        | 30.0                                | 0.0                                            | 0.0        | 30  |
|                                                          | E-learning hours included: 0.0                                                                                                                                                                                                                                            |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |
| Learning activity and number of study hours              | Learning activity                                                                                                                                                                                                                                                         | Participation in didactic classes included in study plan |                                                                                                                                                                                                                                                                                                            | Participation in consultation hours |                                                | Self-study | SUM |
|                                                          | Number of study hours                                                                                                                                                                                                                                                     | 30                                                       |                                                                                                                                                                                                                                                                                                            | 0.0                                 |                                                | 20.0       | 50  |
| Subject objectives                                       | The aim is to prepare students to write a master's thesis.                                                                                                                                                                                                                |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |
| Learning outcomes                                        | Course outcome                                                                                                                                                                                                                                                            |                                                          | Subject outcome                                                                                                                                                                                                                                                                                            |                                     | Method of verification                         |            |     |
|                                                          | [MMiADMU2_U08] is able to in-depth preparation of texts in Polish and at least one foreign language, in a selected field of mathematics                                                                                                                                   |                                                          | Is able to prepare a written paper that can later be expanded into a master's thesis                                                                                                                                                                                                                       |                                     | [SU3] text preparation/written work            |            |     |
| Subject contents                                         | 1. Topic and title of the work.<br>2. Selection, use and differentiation of sources, references.<br>3. Structure of the work, division of content, order of chapters.<br>4. Specificity of writing a mathematical text.<br>5. Preparation and presentation of the result. |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |
| Prerequisites and co-requisites                          | none                                                                                                                                                                                                                                                                      |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |
| Assessment methods and criteria                          | Subject passing criteria                                                                                                                                                                                                                                                  |                                                          | Passing threshold                                                                                                                                                                                                                                                                                          |                                     | Percentage of the final grade                  |            |     |
|                                                          | completing a final work                                                                                                                                                                                                                                                   |                                                          | 51.0%                                                                                                                                                                                                                                                                                                      |                                     | 100.0%                                         |            |     |
| Recommended reading                                      | Basic literature                                                                                                                                                                                                                                                          |                                                          | 1. J. Boć, How to write a master's thesis, Kolonia Limited, Wrocław 2004.<br>2. A. Diller, LaTeX line by line: principles and techniques of document processing, Helion Publishing House, Gliwice 2001.<br>3. E. Rafajłowicz, W. Myszka, LaTeX advanced tools, Academic Publishing House PLJ, Warsaw 1996. |                                     |                                                |            |     |
|                                                          | Supplementary literature                                                                                                                                                                                                                                                  |                                                          | none                                                                                                                                                                                                                                                                                                       |                                     |                                                |            |     |
|                                                          | eResources addresses                                                                                                                                                                                                                                                      |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |
| Example issues/ example questions/ tasks being completed | not included                                                                                                                                                                                                                                                              |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |
| Work placement                                           | Not applicable                                                                                                                                                                                                                                                            |                                                          |                                                                                                                                                                                                                                                                                                            |                                     |                                                |            |     |

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