

## Subject card

|                                             |                                                                                                                                                                                                                                             |                                                          |                                                                                                                                                                                                                            |                                     |                                                                                                                                                    |            |     |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | English I, PG_00189372                                                                                                                                                                                                                      |                                                          |                                                                                                                                                                                                                            |                                     |                                                                                                                                                    |            |     |
| Field of study                              | Mathematical Modeling and Data Analysis                                                                                                                                                                                                     |                                                          |                                                                                                                                                                                                                            |                                     |                                                                                                                                                    |            |     |
| Date of commencement of studies             | October 2026                                                                                                                                                                                                                                |                                                          | Academic year of realisation of subject                                                                                                                                                                                    |                                     | 2026/2027                                                                                                                                          |            |     |
| Education level                             | Bachelor'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                               | 1                                                                                                                                                                                                                                           |                                                          | Language of instruction                                                                                                                                                                                                    |                                     | English                                                                                                                                            |            |     |
| Semester of study                           | 2                                                                                                                                                                                                                                           |                                                          | ECTS credits                                                                                                                                                                                                               |                                     | 2.0                                                                                                                                                |            |     |
| Learning profile                            | academic                                                                                                                                                                                                                                    |                                                          | Assessment form                                                                                                                                                                                                            |                                     | credit                                                                                                                                             |            |     |
| Conducting unit                             | Rector                                                                                                                                                                                                                                      |                                                          |                                                                                                                                                                                                                            |                                     |                                                                                                                                                    |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                          |                                                          | mgr Irena Moszczyńska-Janicka                                                                                                                                                                                              |                                     |                                                                                                                                                    |            |     |
|                                             | Teachers                                                                                                                                                                                                                                    |                                                          |                                                                                                                                                                                                                            |                                     |                                                                                                                                                    |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                 | Lecture                                                  | Tutorial                                                                                                                                                                                                                   | Laboratory                          | Project                                                                                                                                            | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                       | 0.0                                                      | 30.0                                                                                                                                                                                                                       | 0.0                                 | 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                          | Developing student's language skills: speaking, reading, writing, listening so that they reflect learner's academic, professional and personal needs, as well as job market requirements.                                                   |                                                          |                                                                                                                                                                                                                            |                                     |                                                                                                                                                    |            |     |
| Learning outcomes                           | Course outcome                                                                                                                                                                                                                              |                                                          | Subject outcome                                                                                                                                                                                                            |                                     | Method of verification                                                                                                                             |            |     |
|                                             | [MMiADL3_U09] is able to prepare a written work or presentation, also related to mathematical modeling and data analysis, by properly evaluating and selecting sources and information and performing their critical analysis and synthesis |                                                          | Can prepare oral presentations in English concerning matters related to his/her field of study, concerning chosen mathematical issues.                                                                                     |                                     | [SU1] oral statement/conversation/discussion<br>[SU6] demonstration of practical skills<br>[SU8] observation of student's independent or team work |            |     |
|                                             | [MMiADL3_U11] can use a foreign language at level B2 of the Common European Framework of Reference for Languages                                                                                                                            |                                                          | Has language skills corresponding to the requirments of level B2 of the Common European Framework of Reference for Languages.<br>Can prepare typical written compositions in English related to chosen mathematical areas. |                                     | [SU1] oral statement/conversation/discussion<br>[SU2] presentation/project/paper/report<br>[SU3] text preparation/written work                     |            |     |

|                                                                |                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                         |                               |
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| Subject contents                                               | 1. Language and skills applicable to a specific job environment, in the context of the selected field of study, such as: <ul style="list-style-type: none"><li>• telephoning</li><li>• meetings</li><li>• teamwork and team building</li><li>• business correspondence</li><li>• presentations</li><li>• negotiations</li><li>• recruitment</li><li>• cross-cultural communication</li></ul> |                                                                                                                                                                                                                                                         |                               |
|                                                                | 2. ESP and academic language components up to 30% or less of the course contents.                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                         |                               |
|                                                                | 3. Revision and consolidation of grammar rules.                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                         |                               |
| Prerequisites and co-requisites                                | Suggested foreign language entry level: B1 or higher (according to CEFR)                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                         |                               |
| Assessment methods and criteria                                | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                     | Passing threshold                                                                                                                                                                                                                                       | Percentage of the final grade |
|                                                                | Written and oral assignments, including student's self-study                                                                                                                                                                                                                                                                                                                                 | 51.0%                                                                                                                                                                                                                                                   | 100.0%                        |
| Recommended reading                                            | Basic literature                                                                                                                                                                                                                                                                                                                                                                             | - Krukiewicz-Gacek Anna, Trzaska Agnieszka, <i>English for Mathematics</i> , AGH Press, 2012.                                                                                                                                                           |                               |
|                                                                | Supplementary literature                                                                                                                                                                                                                                                                                                                                                                     | Łyczko, Agnieszka, <i>English for Mathematics: a Mathematician's Guide to Professional Communication in English</i> , SPNJO PK, 2015.<br><br>Batóg, Barbara, et al. <i>Mathematics for Students of Economics, Finance and Management</i> , Difin, 2021. |                               |
|                                                                | eResources addresses                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                         |                               |
| Example issues/<br>example questions/<br>tasks being completed | - University Structure - vocabulary (e.g. department, dean, credit, etc.)<br><br>- Culture clash - working in multinational environments                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                         |                               |
| Work placement                                                 | Not applicable                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                         |                               |

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