University of Gdańsk

Subject card

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|---|---|---|---|
| Subject name and code | Functional Analysis and Applications, PG_00155325 | | |
| Field of study | Mathematical Modeling and Data Analysis | | |
| Date of commencement of studies | October 2024 | Academic year of realisation of subject | 2024/2025 |
| 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 | 1 | Language of instruction | Polish<br>polish |
| Semester of study | 2 | ECTS credits | 4.0 |
| Learning profile | academic | Assessment form | exam |
| Conducting unit | Faculty of Mathematics, Physics and Informatics -> Rector | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr hab. Tomasz Człapiński | |
| | Teachers | dr hab. Tomasz Człapiński | |

| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|---|
| | Number of study hours | 30.0 | 30.0 | 0.0 | 0.0 | 0.0 | 60 |
| | 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 | 60 | 5.0 | 35.0 | 100 |

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| Subject objectives | N/A |

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<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[MMiADMU2_W01] knows and understands in-depth the theory of selected areas of mathematics</td><td>N/A</td><td>[SW4] test/exam - oral or written</td></tr>
<tr><td>[MMiADMU2_W03] knows and understands in-depth a selected field of theoretical or applied mathematics and is able to understand the formulations of issues in this field that are still being researched and knows the links between the issues of this field and other branches of mathematics</td><td>N/A</td><td>[SW4] test/exam - oral or written</td></tr>
<tr><td>[MMiADMU2_K01] is ready to recognize the limitations of his own knowledge and is ready to continue his education</td><td>N/A</td><td>[SK8] observation of student's independent or team work</td></tr>
<tr><td>[MMiADMU2_K02] is ready to precisely formulate questions to deepen his own understanding of a given topic or to find missing elements of reasoning</td><td>N/A</td><td>[SK1] oral statement/conversation/ discussion</td></tr>
<tr><td>[MMiADMU2_U06] is able to apply methods and examples from a selected field of mathematics in related fields</td><td>N/A</td><td>[SU4] test/exam - oral or written</td></tr>
<tr><td>[MMiADMU2_K04] is ready to understand and appreciate the importance of intellectual honesty in the actions of himself and others; is ready to act ethically</td><td>N/A</td><td>[SK8] observation of student's independent or team work</td></tr>
<tr><td>[MMiADMU2_K06] is ready to form an opinion on basic mathematical issues</td><td>N/A</td><td>[SK1] oral statement/conversation/ discussion</td></tr>
<tr><td>[MMiADMU2_U01] can construct mathematical reasoning: prove theorems and disprove hypotheses by constructions and selecting counterexamples</td><td>N/A</td><td>[SU4] test/exam - oral or written</td></tr>
<tr><td>[MMiADMU2_W02] knows and understands well the role and importance of the construction of mathematical reasoning</td><td>N/A</td><td>[SW4] test/exam - oral or written</td></tr>
<tr><td>[MMiADMU2_K05] is ready to independently search for information in literature, also in foreign languages</td><td>N/A</td><td>[SK1] oral statement/conversation/ discussion</td></tr>
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<tr><td>Subject contents</td><td>N/A</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>N/A</td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td></td><td>0.0%</td><td>5.0%</td></tr>
<tr><td></td><td>50.0%</td><td>50.0%</td></tr>
<tr><td></td><td>50.0%</td><td>45.0%</td></tr>
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<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>N/A</td></tr>
<tr><td>Supplementary literature</td><td>N/A</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>N/A</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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