University of Gdańsk

Subject card

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| Subject name and code | Seminar, PG_00147206 | | |
| Field of study | Genetics and Experimental Biology | | |
| Date of commencement of studies | October 2025 | Academic year of realisation of subject | 2027/2028 |
| Education level | Bachelor's studies | Subject group | Obligatory subject group in the field of study<br>Optional subject group<br>Subject group related to scientific research in the field of study |
| Mode of study | full-time studies | Mode of delivery | at the university |
| Year of study | 3 | Language of instruction | Polish |
| Semester of study | 5 | ECTS credits | 1.0 |
| Learning profile | academic | Assessment form | credit |
| Conducting unit | Laboratory of Genetics/ Genetics Laboratory -> Department of Evolutionary Genetics and Biosystematics -> Faculty of Biology -> Rector | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr hab. Marcin Górniak | |
| | Teachers | | |

| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|---|
| | Number of study hours | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 15 |
| | 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 | 15 | 2.0 | 8.0 | 25 |

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| Subject objectives | Acquisition of the ability to develop a research or research-and-development plan and present it concisely. |

## Learning outcomes

| Course outcome | Subject outcome | Method of verification |
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| [GBEL3_W05] the principles of research planning based on achievements in biological sciences and related fields, the potential application of their results in practice, the principles of operation of equipment and apparatus used in molecular genetics research, and the principle of interpreting biological phenomena and processes based on empirical data in research and practical activities, with consideration for sustainable use of biological diversity. | The student understands the principles of planning research based on achievements in biological sciences and related fields, as well as the potential for applying their results in practice. They are knowledgeable about the operation of equipment and apparatus used in molecular genetics research and the principles of interpreting biological phenomena and processes based on empirical data in both research and practical activities, with an emphasis on the sustainable use of biological diversity. | [SW1] oral statement/ conversation/discussion<br>[SW2] presentation/project/paper/ report |
| [GBEL3_K02] Critical assessment of one's own knowledge and methods in the field of molecular biology and related disciplines, as well as the commercialization of research. | The student is prepared to critically evaluate their own knowledge and methods in molecular biology and related fields, as well as the commercialization of research. | [SK2] presentation/project/paper/ report |
| [GBEL3_U06] Prepare and deliver oral presentations in Polish and English on specific topics within the field of biology, as well as present ideas and results in written and oral form. | The student is skilled in delivering oral presentations in Polish and English on specific topics in biology and in presenting their ideas and results in both written and oral forms. | [SU2] presentation/project/paper/ report |
| [GBEL3_K01] The utilization of theoretical knowledge in laboratory and production practice. | The student is ready to apply theoretical knowledge in laboratory and production practice. | [SK2] presentation/project/paper/ report |
| [GBEL3_U08] Independently study literature and plan one's own career path. | The student is capable of independently studying literature and planning their own career path. | [SU1] oral statement/conversation/ discussion<br>[SU2] presentation/project/paper/ report |
| [GBEL3_W07] the principles of presenting research results and acquiring funding for research and its commercialization. | The student is familiar with the basic principles of presenting research results, securing funding for research, and commercializing findings. They are capable of independently proposing a simple research or research-and-development project. | [SW1] oral statement/ conversation/discussion<br>[SW2] presentation/project/paper/ report |

## Subject contents

- **Principles of planning and conducting research**
- **Creating a research project description**
- **Description of a research and development project**

## Prerequisites and co-requisites

**Course completion requirements:**

1. Students are required to attend classes; any absence must be justified in accordance with the Study Regulations of the University of Gdańsk.

2. A minimum attendance of 85% of seminar sessions is required to pass the seminar.

3. Students are obliged to make up for any deficiencies in knowledge and skills resulting from absences from the seminar in the manner and within the timeframe specified by the course instructor.

**The basis for course completion is:**

- Presentation of the assumptions of a research or research-and-development project that will form the basis of the diploma thesis.

## Assessment methods and criteria

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| The basis for passing is the presentation of the assumptions of a research or research-and-development project, which will serve as the foundation for the thesis. | 51.0% | 50.0% |
| The final grade is determined based on the partial grades received throughout the semester. | 51.0% | 50.0% |

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| Recommended reading | Basic literature | Current international scientific journals recommended by the supervisor. |
| | Supplementary literature | Current international scientific journals recommended by the supervisor. |
| | eResources addresses | |
| Example issues/ example questions/ tasks being completed | None | |
| Work placement | Not applicable | |

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