University of Gdańsk

Subject card

| | | | |
|---|---|---|---|
| Subject name and code | Marine biotechnology in a real world - tutorials, PG_00192724 | | |
| Field of study | Marine Biotechnology | | |
| Date of commencement of studies | October 2026 | Academic year of realisation of subject | 2026/2027 |
| 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 | English |
| Semester of study | 1 | ECTS credits | 1.0 |
| Learning profile | academic | Assessment form | credit |
| Conducting unit | Intercollegiate Faculty of Biotechnology UG-MUG -> Rector | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr Agnieszka Bernat-Wójtowska | |
| | Teachers | | |

**Lesson types**

| Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|
| Number of study hours | 0.0 | 15.0 | 0.0 | 0.0 | 0.0 | 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 | 1.0 | 9.0 | 25 |

**Subject objectives**

The aim of this course is to present to students latest findings in marine biotechnology; discuss diverse examples documenting the application of marine organism and marine products in various areas of our live. Part of the classes will be conducted with the contribution of invited guests from various research institutions and business companies in Poland and abroad.

**Learning outcomes**

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [MBMU2-KU03] Can use and critically analyze available scientific information; can prepare and present - orally or in writing - a paper covering detailed problems in the field of marine biotechnology on the basis of the scientific information or their own work, with the use of scientific language, including specialized terminology and conceptual apparatus; has the ability to conduct discussions | BIOTECHMU2_U03 Based on the available information, the student is able to present orally or in writing on the practical applications of marine organisms and their products. | [SU1] oral statement/conversation/ discussion<br>[SU4] test/exam - oral or written |
| [MBMU2-KK01] Is ready to critically evaluate his knowledge and continuously improve, update and upgrade his skills in the field of marine biotechnology | BIOTECHMU2_K01<br>Student actively participates in discussion and formulates questions concerning specific aspects of the operations of companies that utilize marine resources. | [SK1] oral statement/conversation/ discussion<br>[SK8] observation of student's independent or team work |
| [MBMU2-KW04] Knows and deeply understands advanced research methods used in marine biotechnology and related sciences | BIOTECHMU2_W04<br>The student is able to provide examples of the use of marine organisms and their products in industrial processes. | [SW1] oral statement/ conversation/discussion |

<table>
<tr><td>Subject contents</td><td>Presentations of success stories in the area of marine biotechnology.<br><br>Presentations of currently conducted studies aimed at commercialization of marine-derived-product.<br><br>Presentations of latest break-through and scientific achievements in the field.<br><br>Other aspects of marine biotechnology.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></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>credit based on exit test</td><td>51.0%</td><td>70.0%</td></tr>
<tr><td>credit based on active participation</td><td>51.0%</td><td>30.0%</td></tr>
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</td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>The reading list will be presented during the classes depending on the subject matter/invited guests.</td></tr>
<tr><td>Supplementary literature</td><td>The reading list will be presented during the classes depending on the subject matter/invited guests.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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