

## Subject card

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |                                         |                                     |                   |            |     |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------------------|-------------------|------------|-----|
| Subject name and code                       | Diploma exam preparation, PG_00075897                                                                                                                                                                                                                                                                                                                                                                |                                                          |                                         |                                     |                   |            |     |
| Field of study                              | Aquaculture – Business And Technology                                                                                                                                                                                                                                                                                                                                                                |                                                          |                                         |                                     |                   |            |     |
| Date of commencement of studies             | October 2025                                                                                                                                                                                                                                                                                                                                                                                         |                                                          | Academic year of realisation of subject |                                     | 2027/2028         |            |     |
| Education level                             | Bachelor's studies                                                                                                                                                                                                                                                                                                                                                                                   |                                                          | Subject group                           |                                     |                   |            |     |
| Mode of study                               | full-time studies                                                                                                                                                                                                                                                                                                                                                                                    |                                                          | Mode of delivery                        |                                     | at the university |            |     |
| Year of study                               | 3                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          | Language of instruction                 |                                     | Polish            |            |     |
| Semester of study                           | 6                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          | ECTS credits                            |                                     | 7.0               |            |     |
| Learning profile                            | practical                                                                                                                                                                                                                                                                                                                                                                                            |                                                          | Assessment form                         |                                     | credit            |            |     |
| Conducting unit                             |                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |                                         |                                     |                   |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                                                                                                                                   |                                                          | prof. dr hab. inż. Konrad Ocalewicz     |                                     |                   |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |                                         |                                     |                   |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                                                                                                                                          | Lecture                                                  | Tutorial                                | Laboratory                          | Project           | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                                                                                | 0.0                                                      | 0.0                                     | 45.0                                | 0.0               | 0.0        | 45  |
|                                             | 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                                                                                                                                                                                                                                                                                                                                                                                | 45                                                       |                                         | 20.0                                |                   | 150.0      | 215 |
| Subject objectives                          | - introducing students to methods of creating simple works in the form of a scientific monograph and providing technical support in independent work preparation and editing of diploma theses by students - technical support in students' independent preparation and editing of diploma theses in a specific methodological convention correct documentation - preparation of a bachelor's thesis |                                                          |                                         |                                     |                   |            |     |

| Learning outcomes               | Course outcome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Subject outcome                                                                                                                                                                                                                                                                                                                                                           | Method of verification                                                                         |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|                                 | [AKWAL3-K03] is ready to follow the ethical principles in biological research and adhere to the principles of intellectual honesty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | is ready to responsible performance of professional roles, including compliance with the principles of professional ethics in research and work in the field of aquaculture and demanding this from others                                                                                                                                                                | [SK1] oral statement/conversation/discussion                                                   |
|                                 | [AKWAL3-U04] can select and use available sources of information, and understand the literature on aquaculture in a broad sense                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | is able to properly select sources of information, evaluate, critically analyze and synthesize information,                                                                                                                                                                                                                                                               | [SU3] text preparation/written work                                                            |
|                                 | [AKWAL3-U10] can prepare an oral presentation of scientific nature or a short description of research done during classes, using appropriate scientific terminology, in Polish or English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | can communicate with the environment using specialized terminology<br>take part in the debate - present and evaluate various opinions and positions and discuss them                                                                                                                                                                                                      | [SU1] oral statement/conversation/discussion                                                   |
|                                 | [AKWAL3-U11] can speak English at the B2 level of the Common European Framework of Reference for Languages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | can use a foreign language in discussions                                                                                                                                                                                                                                                                                                                                 | [SU1] oral statement/conversation/discussion                                                   |
|                                 | [AKWAL3-U13] can independently organize their work and critically assess progress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | is able to plan and organize individual and team work when carrying out tasks for his/her diploma thesis                                                                                                                                                                                                                                                                  | [SU8] observation of student's independent or team work                                        |
|                                 | [AKWAL3_W01] knows and understands the relationship between the achievements in the selected fields of science and disciplines of natural sciences, and the possibility of their application in socio-economic life                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | knows and understands at an advanced level - selected facts, objects and phenomena as well as methods and theories relating to them explaining the complex relationships between them, constituting basic general knowledge in the area covered by the student's diploma work                                                                                             | [SW1] oral statement/conversation/discussion                                                   |
|                                 | [AKWAL3_W06] knows and discusses techniques, research methods and tools used in aquaculture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | knows and understands at an advanced level – research methods and techniques related to aquaculture and the complex relationships between them                                                                                                                                                                                                                            | [SW5] implementation of a problem task                                                         |
|                                 | [AKWAL3-U14] can independently plan and initiate their lifelong learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | can independently plan and implement lifelong learning and acquire new professional skills                                                                                                                                                                                                                                                                                | [SU1] oral statement/conversation/discussion<br>[SU5] implementation of a problem task         |
|                                 | [AKWAL3-U08] can solve standard, atypical or complex problems on the basis of acquired knowledge and data sources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | is able to use the acquired knowledge - formulate and solve complex and unusual problems related to the diploma thesis being carried out by appropriate selection of sources and information derived from them, assessment, critical analysis and synthesis of this information, selection and use of appropriate scientific methods and tools, including laboratory ones | [SU3] text preparation/written work<br>[SU8] observation of student's independent or team work |
| Subject contents                | A. Solving scientific and research problems: substantive preparation and implementation. A1. Methods of collecting literature and source materials. A2. Designing and conducting experiments and scientific research. A3. Laboratory analysis and experimentation. A4. Analysis and interpretation of scientific texts and statistical data. A5. Rules for proper editing of scientific texts (methods of creating large-volume texts, content layout, rules for writing and posting figures and tables in the work, captions under figures and tables, numbering of chapters, figures, tables, formulas, appendices, citation rules literature, creating a literature list, etc.). B. Preparation of a bachelor's thesis. |                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                |
| Prerequisites and co-requisites |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                |
| Assessment methods and criteria | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Passing threshold                                                                                                                                                                                                                                                                                                                                                         | Percentage of the final grade                                                                  |
|                                 | participation in classes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 75.0%                                                                                                                                                                                                                                                                                                                                                                     | 50.0%                                                                                          |
|                                 | assessment of the implementation of specific tasks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 51.0%                                                                                                                                                                                                                                                                                                                                                                     | 50.0%                                                                                          |

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|----------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended reading                                            | Basic literature         | A. Literature required to finally pass the course (pass the exam): literature related to the diploma thesis and works supporting the writing of a bachelor's thesis, e.g. Weiner J., 1998: Techniques of writing and presenting natural science works. A practical guide. PWN Scientific Publishing House, 152. A.1. used during classes A.2. studied independently by the student |
|                                                                | Supplementary literature | -                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                | eResources addresses     |                                                                                                                                                                                                                                                                                                                                                                                    |
| Example issues/<br>example questions/<br>tasks being completed |                          |                                                                                                                                                                                                                                                                                                                                                                                    |
| Work placement                                                 | Not applicable           |                                                                                                                                                                                                                                                                                                                                                                                    |

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