

## Subject card

|                                             |                                                                                                                                                      |                                                          |                                         |                                     |                                   |            |     |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------------------|-----------------------------------|------------|-----|
| Subject name and code                       | Bioorganic chemistry, PG_00171192                                                                                                                    |                                                          |                                         |                                     |                                   |            |     |
| Field of study                              | Bioinformatics                                                                                                                                       |                                                          |                                         |                                     |                                   |            |     |
| Date of commencement of studies             | October 2024                                                                                                                                         |                                                          | Academic year of realisation of subject |                                     | 2024/2025                         |            |     |
| Education level                             | Bachelor's studies                                                                                                                                   |                                                          | Subject group                           |                                     |                                   |            |     |
| Mode of study                               | full-time studies                                                                                                                                    |                                                          | Mode of delivery                        |                                     | at the university                 |            |     |
| Year of study                               | 1                                                                                                                                                    |                                                          | Language of instruction                 |                                     | Polish                            |            |     |
| Semester of study                           | 2                                                                                                                                                    |                                                          | ECTS credits                            |                                     | 7.0                               |            |     |
| Learning profile                            | academic                                                                                                                                             |                                                          | Assessment form                         |                                     | exam                              |            |     |
| Conducting unit                             | Laboratory of Medical Chemistry -> Department of Biomedical Chemistry -> Faculty of Chemistry -> Rector                                              |                                                          |                                         |                                     |                                   |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                   |                                                          | dr Ewa Wieczerek                        |                                     |                                   |            |     |
|                                             | Teachers                                                                                                                                             |                                                          | dr hab. Piotr Mucha, prof. UG           |                                     |                                   |            |     |
|                                             |                                                                                                                                                      |                                                          | dr hab. Aneta Szymańska, prof. UG       |                                     |                                   |            |     |
|                                             |                                                                                                                                                      |                                                          | dr Julia Witkowska                      |                                     |                                   |            |     |
|                                             |                                                                                                                                                      |                                                          | dr Ewa Wieczerek                        |                                     |                                   |            |     |
| Lesson types                                | Lesson type                                                                                                                                          | Lecture                                                  | Tutorial                                | Laboratory                          | Project                           | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                | 45.0                                                     | 45.0                                    | 0.0                                 | 0.0                               | 0.0        | 90  |
|                                             | 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                                                                                                                                | 90                                                       |                                         | 0.0                                 |                                   | 85.0       | 175 |
| Subject objectives                          | n                                                                                                                                                    |                                                          |                                         |                                     |                                   |            |     |
| Learning outcomes                           | Course outcome                                                                                                                                       |                                                          | Subject outcome                         |                                     | Method of verification            |            |     |
|                                             | [BIOINL3_W02] Has the scientific knowledge necessary to understand the basic processes in living organisms.                                          |                                                          | n                                       |                                     | [SW4] test/exam - oral or written |            |     |
|                                             | [BIOINL3_U02] Graduate is able to apply knowledge of natural sciences and science to formulate, analyze and solve problems related to bioinformatics |                                                          | n                                       |                                     | [SU4] test/exam - oral or written |            |     |
| Subject contents                            | n                                                                                                                                                    |                                                          |                                         |                                     |                                   |            |     |
| Prerequisites and co-requisites             | n                                                                                                                                                    |                                                          |                                         |                                     |                                   |            |     |
| Assessment methods and criteria             | Subject passing criteria                                                                                                                             |                                                          | Passing threshold                       |                                     | Percentage of the final grade     |            |     |
|                                             | n                                                                                                                                                    |                                                          | 51.0%                                   |                                     | 50.0%                             |            |     |
|                                             | n                                                                                                                                                    |                                                          | 51.0%                                   |                                     | 50.0%                             |            |     |
| Recommended reading                         | Basic literature                                                                                                                                     |                                                          | n                                       |                                     |                                   |            |     |
|                                             | Supplementary literature                                                                                                                             |                                                          | n                                       |                                     |                                   |            |     |
|                                             | eResources addresses                                                                                                                                 |                                                          |                                         |                                     |                                   |            |     |

|                                                                |                |
|----------------------------------------------------------------|----------------|
| Example issues/<br>example questions/<br>tasks being completed | n              |
| Work placement                                                 | Not applicable |

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