

## Subject card

|                                             |                                                                                                                                                                                                                                                                                                     |                                                          |                                         |                                     |                                                                                                                      |            |     |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | Floristry - field classes, PG_00130080                                                                                                                                                                                                                                                              |                                                          |                                         |                                     |                                                                                                                      |            |     |
| Field of study                              | Biology                                                                                                                                                                                                                                                                                             |                                                          |                                         |                                     |                                                                                                                      |            |     |
| Date of commencement of studies             | October 2025                                                                                                                                                                                                                                                                                        |                                                          | Academic year of realisation of subject |                                     | 2025/2026                                                                                                            |            |     |
| Education level                             | Bachelor's studies                                                                                                                                                                                                                                                                                  |                                                          | Subject group                           |                                     | Obligatory subject group in the field of study<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                               | 1                                                                                                                                                                                                                                                                                                   |                                                          | Language of instruction                 |                                     | Polish                                                                                                               |            |     |
| Semester of study                           | 2                                                                                                                                                                                                                                                                                                   |                                                          | ECTS credits                            |                                     | 2.0                                                                                                                  |            |     |
| Learning profile                            | academic                                                                                                                                                                                                                                                                                            |                                                          | Assessment form                         |                                     | credit                                                                                                               |            |     |
| Conducting unit                             | Laboratory of Geobotanics and Nature Conservation -> Department of Plant Taxonomy and Nature Conservation -> Faculty of Biology -> Rector                                                                                                                                                           |                                                          |                                         |                                     |                                                                                                                      |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                                  |                                                          | dr Renata Afranowicz-Cieślak            |                                     |                                                                                                                      |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                            |                                                          | dr hab. Hanna Margońska                 |                                     |                                                                                                                      |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                                         | Lecture                                                  | Tutorial                                | Laboratory                          | Project                                                                                                              | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                               | 0.0                                                      | 30.0                                    | 0.0                                 | 0.0                                                                                                                  | 0.0        | 30  |
|                                             | 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                                                                                                                                                                                                                                                                               | 30                                                       |                                         | 5.0                                 |                                                                                                                      | 15.0       | 50  |
| Subject objectives                          | 1. Learning about the floristic diversity of the region.<br><br>2. Naming plant species and knowing their characteristic features enabling the recognition of taxa.<br><br>3. Identifying organisms under legal protection.<br><br>4. Acquiring the ability to work with a key to identify species. |                                                          |                                         |                                     |                                                                                                                      |            |     |

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| Learning outcomes               | Course outcome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Subject outcome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Method of verification                                                                                  |
|                                 | [BIOLL3_W06] The graduate will know the characteristics, systematics and understand the evolution of selected groups of organisms including molecular basis and basic concepts and mechanisms of evolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>- names and describes selected species of flora, with particular emphasis on taxa typical for coastal habitats, and gives their habitat preferences</li> <li>- identifies plant species, especially those under legal protection</li> <li>- becomes acquainted with the subsequent stages of collection and conservation of plant specimens</li> <li>- characterizes the degree of threat to floristic diversity and indicates the possibilities of rational use of natural resources</li> </ul> | [SW1] oral statement/conversation/discussion                                                            |
|                                 | [BIOLL3_U08] The graduate is able to learn independently, in a focused manner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"> <li>- knows how to collect, properly preserve and identify basic plant taxa occurring in Pomerania</li> <li>- uses appropriate methods of conservation and description of herbarium documentation</li> <li>- observes the characteristic features of selected plant species and their habitats</li> </ul>                                                                                                                                                                                            | [SU6] demonstration of practical skills<br>[SU8] observation of student's independent or team work      |
|                                 | [BIOLL3_K02] The graduate is prepared to critically self-assess their own competences and to update and improve their knowledge and skills                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>- is responsible for the entrusted equipment/materials and his/her own work and respects the work of others</li> <li>- strives to preserve the natural values of the region</li> </ul>                                                                                                                                                                                                                                                                                                           | [SK1] oral statement/conversation/discussion<br>[SK8] observation of student's independent or team work |
| Subject contents                | Practical identification of vascular plant species in the field based on their characteristic features. Construction and use of a key for identifying higher plants. Preservation of plants and standards for establishing a herbarium. Learning about selected elements of the biology of the observed species. Plant diversity in selected Pomeranian ecosystems (forest, meadow, watercourse, sea shore, segetal and ruderal habitats); protected, indicator, rare and economically important species. Composition of native and foreign flora, with particular emphasis on regional species. Habitat requirements of plant species. Getting to know the legal act regarding the protection of plant species. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                         |
| Prerequisites and co-requisites | Basic knowledge of botany and systematics of living organisms.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                         |
| Assessment methods and criteria | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Passing threshold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Percentage of the final grade                                                                           |
|                                 | preparation and submission of a herbarium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50.0%                                                                                                   |
|                                 | identification of vascular plant species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50.0%                                                                                                   |
| Recommended reading             | Basic literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rothmaler W., Jäger E., Werner K. 2007. Excursion flora from Germany. Vascular plants: satin ribbon. Spektrum Akademischer Verlag, Munich.<br><br>Rutkowski L. 2008. Key to the identification of vascular plants in Lowland Poland. Ed. Science. PWN, Warsaw.<br><br>Drobnik J. 2007. Herbarium and herbal science. Ed. Science. PWN, Warsaw.<br><br>Regulation of the Minister of the Environment of October 9, 2014 on the protection of plant species. Journal Laws of 2014, item 1409.                                             |                                                                                                         |
|                                 | Supplementary literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Szafer W., Kulczyński S., Pawłowski B. 1988. Polish plants. PWN, Warsaw.<br><br>Johnson O., More D. 2009. The Collins Guide. Trees. Multico, 464 pp.<br><br>Lazarus M., Afranowicz-Cieślak R. (eds.). 2020. Red list of vascular plants of Gdańsk Pomerania. T. 1. Endangered species of coastal beaches, dunes and salt flats as well as brackish waters in the coastal zone. Univ. Publishing House Gdańsk, Gdańsk. - selected species descriptions.                                                                                  |                                                                                                         |
|                                 | eResources addresses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                         |

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

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