

## Subject card

|                                             |                                                                                                                                                                                                                                                                                                                                               |                                                          |                                         |                                     |                                                                                                                      |            |     |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | Nature conservation, PG_00033333                                                                                                                                                                                                                                                                                                              |                                                          |                                         |                                     |                                                                                                                      |            |     |
| Field of study                              | Environmental Protection                                                                                                                                                                                                                                                                                                                      |                                                          |                                         |                                     |                                                                                                                      |            |     |
| Date of commencement of studies             | October 2025                                                                                                                                                                                                                                                                                                                                  |                                                          | Academic year of realisation of subject |                                     | 2026/2027                                                                                                            |            |     |
| 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                               | 2                                                                                                                                                                                                                                                                                                                                             |                                                          | Language of instruction                 |                                     | Polish                                                                                                               |            |     |
| Semester of study                           | 4                                                                                                                                                                                                                                                                                                                                             |                                                          | ECTS credits                            |                                     | 1.0                                                                                                                  |            |     |
| 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 hab. Piotr Rutkowski                 |                                     |                                                                                                                      |            |     |
|                                             | 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                                                       |                                         | 2.0                                 |                                                                                                                      | 8.0        | 25  |
| Subject objectives                          | <ul style="list-style-type: none"><li>Understand the causes and directions of changes in nature and know how to protect its components .</li><li>Learning the basics of nature protection law</li><li>To know the forms and methods of nature protection.</li><li>Understanding the problems of nature and environmental protection</li></ul> |                                                          |                                         |                                     |                                                                                                                      |            |     |

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|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Learning outcomes               | Course outcome                                                                                                                                                                                                                                                                                                          | Subject outcome                                                                                                                                                                                                                 | Method of verification                                                                                                            |
|                                 | [OŚL3_U01] Performs tasks under supervision and independently in the field of analysis of the natural environment and the functioning of natural and man-made natural systems.                                                                                                                                          | Graduate:<br>Evaluates the state of preservation of natural and human-altered natural systems.<br>Determines the impact of anthropopressure on specific natural processes.                                                      | [SU1] oral statement/conversation/discussion<br>[SU5] implementation of a problem task<br>[SU6] demonstration of practical skills |
|                                 | [OŚL3_K06] Knows and appreciates the practical application of the acquired knowledge and skills in solving problems.                                                                                                                                                                                                    | Graduates update their conservation skills                                                                                                                                                                                      | [SK1] oral statement/conversation/discussion<br>[SK5] implementation of a problem task<br>[SK6] demonstration of practical skills |
|                                 | [OŚL3_W05] Explains the course of natural and anthropopressional physical, chemical and biological processes and phenomena occurring in nature at various levels of matter organisation.                                                                                                                                | Graduate:<br>Knows the most important threats to nature.<br>Knows the basic methods and techniques used in nature conservation.<br>Knows the basic legal regulations and instruments of law application in nature conservation. | [SW1] oral statement/conversation/discussion<br>[SW3] text preparation/written work<br>[SW5] implementation of a problem task     |
|                                 | [OŚL3_U04] Uses specialist language in the discussion and properly uses the nomenclature in the field of environmental protection and individual disciplines related to it.                                                                                                                                             | The graduate correctly uses the terminology of nature conservation and the nomenclature of other related disciplines.                                                                                                           | [SU3] text preparation/written work<br>[SU5] implementation of a problem task<br>[SU6] demonstration of practical skills          |
|                                 | [OŚL3_U09] Prepares in Polish/English a short description of research, observation or problem task carried out during classes using appropriate scientific terminology.                                                                                                                                                 | The graduate correctly uses the terminology of nature conservation and the nomenclature of other related disciplines.                                                                                                           | [SU3] text preparation/written work<br>[SU5] implementation of a problem task<br>[SU6] demonstration of practical skills          |
|                                 | [OŚL3_W10] Describes the principles of environmental protection based on basic legal regulations and instruments of applying law in environmental protection and from the point of view of economy and management of environmental resources; enumerates general aspects of the economic activity of entities.          | Graduate:<br>Knows the most important threats to nature.<br>Knows the basic methods and techniques used in nature conservation.<br>Knows the basic legal regulations and instruments of law application in nature conservation. | [SW1] oral statement/conversation/discussion<br>[SW3] text preparation/written work<br>[SW5] implementation of a problem task     |
| Subject contents                | <ul style="list-style-type: none"><li>• Forms of nature protection.</li><li>• Species and area protection.</li><li>• Forms of exploitation of living nature.</li><li>• Methodology of protection of species, biocenoses and biotopes.</li><li>• Valorization of natural areas.</li><li>• Natura 2000 network.</li></ul> |                                                                                                                                                                                                                                 |                                                                                                                                   |
| Prerequisites and co-requisites |                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                 |                                                                                                                                   |
| Assessment methods and criteria | Subject passing criteria                                                                                                                                                                                                                                                                                                | Passing threshold                                                                                                                                                                                                               | Percentage of the final grade                                                                                                     |
|                                 | course credit with a grade                                                                                                                                                                                                                                                                                              | 51.0%                                                                                                                                                                                                                           | 100.0%                                                                                                                            |
| Recommended reading             | Basic literature                                                                                                                                                                                                                                                                                                        | Informations obtained during the lecture on the subject of nature conservation                                                                                                                                                  |                                                                                                                                   |
|                                 | Supplementary literature                                                                                                                                                                                                                                                                                                | Pullin A.S. 2004. Biologiczne podstawy ochrony przyrody. Wydawnictwo Naukowe PWN<br><br>Symonides E. 2007. Ochrona przyrody. Wyd UW                                                                                             |                                                                                                                                   |
|                                 | eResources addresses                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                 |                                                                                                                                   |
|                                 | Example issues/<br>example questions/<br>tasks being completed                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                 |                                                                                                                                   |
| Work placement                  | Not applicable                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                 |                                                                                                                                   |

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