

SYLLABUS

REGARDING THE QUALIFICATION CYCLE FROM 2021/2022 TO 2021/2022

1. BASIC COURSE/MODULE INFORMATION

Course/Module title	<i>Conservation Biology</i>
Course/Module code *	
Faculty (name of the unit offering the field of study)	<i>Institute of Agricultural Sciences, Land Management and Environmental Protection</i>
Name of the unit running the course	<i>Department of Ecology and Environmental Protection</i>
Field of study	Environment Protection
Qualification level	2 nd
Profile	<i>academic</i>
Study mode	<i>full-time studies</i>
Year and semester of studies	<i>Year 1, 2, or 3 / winter semester</i>
Course type	<i>to choose</i>
Language of instruction	English
Coordinator	Professor Krzysztof Kukuła
Course instructor	Professor Krzysztof Kukuła; Aneta Bylak, PhD, DSc, Associate Professor

* - as agreed at the faculty

1.1. Learning format – number of hours and ECTS credits

Semester (no.)	Lectures	Classes	Colloquia	Lab classes	Seminars	Practical classes	Internships	others	ECTS credits
winter	2			3					2

1.2. Course delivery methods

- conducted in a traditional way
- involving distance education methods and techniques

1.3. Course/Module assessment (exam, pass with a grade, pass without a grade)

pass with a grade

2. PREREQUISITES

Knowledge of biology at the basic high school level.

3. OBJECTIVES, LEARNING OUTCOMES, COURSE CONTENT, AND INSTRUCTIONAL METHODS

3.1. Course/Module objectives

O ₁	Acquaintance with field of conservation biology.
O ₂	Comprehension of principles of ecology that are important for conceptualizing and practically applying the science of conservation biology.
O ₃	Knowledge of major threats to biological diversity, strategies and management aimed at protecting ecosystems, biodiversity, and endangered species.

3.2. COURSE/MODULE LEARNING OUTCOMES (TO BE COMPLETED BY THE COORDINATOR)

Learning Outcome	The description of the learning outcome defined for the course/module	Relation to the degree programme outcomes
LO_01	students will know terminology, concepts that define the field of conservation biology, understand threats to biodiversity, role of invasive species, and human impacts on habitats quality and biodiversity.	K_Wo1 K_Wo3 K_Wo4
LO_02	students will be able to better understand ecological knowledge, practically apply the science of conservation biology, and compose visual presentation that express personal ideas in the field of endangered species protection.	K_Wo5, K_Uo2
LO_03	students will be able to understand the enormous responsibility humans for causing changes in the environment.	K_Wo3, K_Uo6

3.3. Course content (to be completed by the coordinator)

A. Lectures

Content outline
Introduction - What is conservation biology? Biodiversity. Threats to biodiversity: extinction, habitat loss, compounded effects. Conservation values. Ecological economics and nature conservation. Species-area curves. Rare and vulnerable species. Overexploitation.

B. Classes, tutorials/seminars, colloquia, laboratories, practical classes

Content outline
Species, landscape and ecosystem approaches to conservation: e.g., endangered and keystone species, alien invasive species.

3.4. Methods of Instruction

e.g.

Lecture: a problem-solving lecture/a lecture supported by a multimedia presentation/ distance learning

Classes: text analysis and discussion/project work (research project, implementation project, practical project)/ group work (problem solving, case study, discussion)/didactic games/ distance learning

Laboratory classes: designing and conducting experiments

Lecture, Laboratory classes

4. Assessment techniques and criteria

4.1 Methods of evaluating learning outcomes

Learning outcome	Methods of assessment of learning outcomes (e.g. test, oral exam, written exam, project, report, observation during classes)	Learning format (lectures, classes,...)
LO-01	WRITTEN OPEN TEST, WRITTEN PRESENTATION	Lecture, Laboratory classes
LO-02	WRITTEN PRESENTATION	Lecture, Laboratory classes, Consultation hours
LO-03	WRITTEN PRESENTATION	Laboratory classes, Consultation hours

4.2 Course assessment criteria

Written open test (max.25 questions, max. 100 points)

Written presentation (max. 100 points)

Grade 5.0, > 92%; Grade 4.5, 84-91%; Grade 4.0, 76-83%; Grade 3.5, 68-75%; Grade 3.0, 60-67% points.

Percent of final grade: written presentation - 50%, written open test - 50%

5. Total student workload needed to achieve the intended learning outcomes – number of hours and ECTS credits

Activity	Number of hours
Scheduled course contact hours	5
Other contact hours involving the teacher (consultation hours, examinations)	5
Non-contact hours - student's own work (preparation for classes or examinations, projects, etc.)	15
Total number of hours	25
Total number of ECTS credits	1

* One ECTS point corresponds to 25-30 hours of total student workload

6. Internships related to the course/module

Number of hours	<i>n/a</i>
Internship regulations and procedures	<i>n/a</i>

7. Instructional materials

Compulsory literature: <ul style="list-style-type: none">• Pullin A.S. 2002. Conservation biology. Cambridge University Press.
Complementary literature: <ul style="list-style-type: none">• Clobert J., Baguette M., Benton T. G., Bullock J. M. 2012. Dispersal ecology and evolution. Oxford University Press.• Krebs C.J. 2009. Ecology: the experimental analysis of distribution and abundance, 6th ed. Pearson.

Approved by the Head of the Department or an authorised person