

**DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

SUPERVISOR DECLARING/CONDUCTING COURSE: Piotr Jadczyk
DEPARTMENT: Faculty of Environmental Engineering W7
SCIENTIFIC DISCIPLINE: Environmental Engineering, Mining and Energy

COURSE CARD

Course name in Polish: Ochrona przyrody
Course name in English: Nature conservation
Course language Polish / English*
University-wide general course type*:
The course is intended for all PhD students: YES / NO

- ~~1) BASIC COURSE~~
2) SPECIALIST COURSE
~~3) SEMINAR~~
~~4) HUMANISTIC COURSE~~
~~5) LANGUAGE~~

Subject code: IGQ100014W

* delete as applicable

	Lecture	Foreign language course	Seminar	Mixed forms
Number of hours of organized classes in university (ZZU)	30			
Grading	Exam	Exam	Oral presentation	Exam, inspection, evaluation classes
Number of ECTS points	0			

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES

No prerequisites

COURSE OBJECTIVES

C1. Getting to know advanced nature conservation problems

PROGRAM CONTENTS

Form of classes – lecture (Lec)		Number of hours
Lec1	History of nature conservation.	2
Lec2	Biodiversity as an object of nature conservation. Genetic diversity.	2
Lec3	Biodiversity as an object of nature conservation. Species Diversity.	2
Lec4	Biodiversity as an object of nature conservation. Diversity of ecosystems and the diversity of flora and fauna of biomes and biogeographic lands.	2

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Lec5	Biodiversity as an object of nature protection. Diversity of ecosystems on the example of diversity of flora and fauna of national parks in Poland. Part 1. Lowlands.	2
Lec6	Biodiversity as an object of nature conservation. Diversity of ecosystems on the example of diversity of flora and fauna of national parks in Poland. Part 2. Mountains.	2
Lec7	Anthropogenic threats to nature. Direct extermination.	2
Lec8	Anthropogenic threats to nature. Conversion of habitats.	2
Lec9	Anthropogenic threats to nature. Introduction of alien species.	2
Lec10	Species conservation. Counteracting direct extermination. Counteracting the introduction of alien species into the environment.	2
Lec11	Species conservation. Preparation of an endangered species conservation program.	2
Lec12	Area conservation. International classification of protected areas	2
Lec13	Area conservation. Scientific basis for creating protected areas.	2
Lec14- Lec15	Management of protected areas.	4
Total hours:		30

TEACHING TOOLS USED

N1. Inform lecture
N2. Problem lecture

ACHIEVED SUBJECT LEARNING OUTCOMES

Type of learning outcome	Code of learning outcome	Assessment of learning outcome
Knowledge	PS8_WG	Student has advanced knowledge of directional subjects in a given discipline or in interdisciplinary subjects. Student has knowledge at an advanced level of discipline and subject matter relevant to the field of research carried out, including the most recent research findings and scientific achievements.
Skills	PS8_UW	Student has scientific and technological skills relevant to methods and methodology of conducting scientific research and critical evaluation of the results obtained.

PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

- [1] Symonides E. 2007. Ochrona przyrody. Wydawnictwa Uniwersytetu Warszawskiego, Warszawa.
[2] Wiśniewski J., Gniazdowicz D. 2004. Ochrona przyrody. Wyd. Akad. Roln. w Poznaniu, Poznań.
[3] Pullin A. 2004. Biologiczne podstawy ochrony przyrody. Wydawnictwo Naukowe PWN, Warszawa.

SECONDARY LITERATURE:

- [1] Grzegorzczak M. (red.). 2007. Integralna ochrona przyrody. Instytut Ochrony Przyrody PAN, Kraków.
[2] Żarska B. 2005. Ochrona krajobrazu. Wydawnictwo SGGW, Warszawa.

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SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)
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