

Course code:

Plan position:

1. INFORMATION ABOUT THE COURSE

A. Basic information

Name of course	Civilization threats and natural disasters
Field of studies	
Level of studies	
Profile of studies	Practical
Form of studies	Stationary
Specialty	-
Unit responsible for the field of studies	Faculty of Animal Breeding and Biology
Name and academic degree of teacher(s)	Kirkiłło-Stacewicz Krzysztof, PhD
Introductory courses	Ecology, nature conservation
Introductory requirements	Basic knowledge of ecology, biodiversity and priorities in environmental protection

B. Semester/week schedule of classes

Semester	Lectures (W)	Auditorium classes (Ć)	Laboratory classes (L)	Project classes (P)	Seminar (S)	Field classes (T)	Number of ECTS points
Winter / summer		25					5

2. LEARNING OUTCOME

No.	Learning outcomes description	The reference to the learning outcomes of specific field of study	The reference to the learning outcomes for the area
KNOWLEDGE			
W1	Is able to systematize knowledge in the area of major civilization threats and methods of solving environmental problems in the aspect of sustainable development. Is able to characterize natural disasters and can undertake actions aimed at preventing their occurrence and struggling with it.		
SKILLS			
U1	He knows the strengths and weaknesses of specific technologies and formulates hopes and fears related to the development of science and technology in the context of managing natural resources. He assesses the negative and positive effects of globalization on the management of natural resources.		

SOCIAL COMPETENCES			
K1	He makes rational decisions regarding the management of natural resources, harmoniously combining social, economic and natural issues. Is sensitized to the uneven distribution and use of resources in the world. Understands the need for comprehensive and interdisciplinary activities to preserve natural resources.		

3. TEACHING METHODS

multimedia presentations, films, articles

4. METHODS OF EXAMINATION

Presentation, colloquium

5. SCOPE

Auditorium classes	<p><u>The greatest long-term civilizational threats facing humanity:</u> the impact of artificial intelligence (AI) on society, biotechnology and its impact on today's and tomorrow's world, the threat of cyber terrorism, environmental disasters, global warming and climate change, mineral resource exhaustion, the possible dangers of nanotechnology, warfare and mass destruction, environmental and social consequences of nuclear accidents, urbanization problems in developing countries, agricultural crisis - security challenges to smart agriculture.</p> <p><u>The impact of natural disasters on the global economy and society:</u> causes and effects of hurricanes, typhoons & cyclones, earthquake hazard, tsunamis, consequences of flooding, mudslides, avalanche risk management.</p>
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6. METHODS OF VERIFICATION OF LEARNING OUTCOMES

LEARNING OUTCOME	Form of assessment					
	Oral examination	Written exam	Colloquium	Project	Presentation
W1			x		x	
U1			x		x	
K1			x		x	

7. LITERATURE

Basic literature	<ol style="list-style-type: none"> McCoy Erin L. Global Warming (Top Six Threats to Civilization), Cavendish Square 2018. Otto B., M. Here is the news. Part 1. Poltext, 2010.
Supplementary literature	<ol style="list-style-type: none"> Asefa S. Economics of Sustainable Development. Upjohn Institute for Employment Research, 2005 Zhouying J. The Future of Humanity: From Global Civilization to Great Civilization, Intellect Ltd, 2023.

8. TOTAL STUDENT WORKLOAD REQUIRED TO ACHIEVE EXPECTED LEARNING OUTCOMES EXPRESSED IN TIME AND ECTS CREDITS

Student's activity		Student workload—number of hours
Classes conducted under a	Participation in classes indicated in point 1B	25

direct supervision of an academic teacher or other persons responsible for classes	Supervision hours	5
Student's own work	Preparation for classes	25
	Reading assignments	40
	Other (preparation for exams, tests, carrying out a project etc)	30
Total student workload		125
Number of ECTS points		5