



SZKOŁA GŁÓWNA  
GOSPODARSTWA  
WIEJSKIEGO

## Human-Insects Relations – Are We Living Surrounded by Insects? Educational subject description sheet

### Basic information

<b>Field of study</b> Course Offer for exchange students - second cycle studies, including uniform master studies (MA programmes)		<b>Didactic cycle</b> 2024/25	
<b>Speciality</b> -		<b>Subject code</b> PWMPWM2S_D.B100000.06340.24	
<b>Organizational unit</b> Course Offer for exchange students		<b>Lecture languages</b> english	
<b>Study level</b> second cycle studies, including uniform master studies (MA programmes)		<b>Mandatory</b> Elective subjects	
<b>Study form</b> full-time studies		<b>Block</b> Basic subjects	
<b>Education profile</b> General academic		<b>Disciplines</b>	
<b>Coordinator</b>	Michał Reut		
<b>Teacher</b>	Michał Reut		
<b>Period</b> Winter semester	<b>Examination</b> Pass with grade	<b>Number of ECTS points</b> 3	
	<b>Activities and hours</b> Lecture: 26 Field exercises: 4		

## Goals

Code	Goal
C1	The scope of issues covered in this subject aims to develop students knowledge about most numerous group of animals - insects. Students will dive in the diverse range of topics related to insects - humans relations, that also reflects great biodiversity of insects. They will get familiar with various reactions that we do presents exposed to insects - from fear and fobias to admiration. How such emotions impacted various human activities - from culture - like art or religion, to everyday life situation like insects used in medicine, at crime scene or some economical value of insects. The course will be carried out as lectures, during which various other topics will be discussed - important role of insects as pollinators, insect consumption by humans and its potential, harmful species and how to deal with them. Also, can we benefit from insects?

## Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	Knows the impact that insects may have (both positive and negative) on human society, including human health, agriculture, and the environment		Test (written or computer based)
W2	Knows the biology of the most important insect species		Test (written or computer based)
<b>Skills - Student can:</b>			
U1	Can recognize economically important species of insects		Test (written or computer based), Assessment of activity during classes
U2	Can react in proper way in case of presence of various insect species		Test (written or computer based), Assessment of activity during classes
<b>Social competences - Student is ready to:</b>			
K1	Is ready to develop and share with other people knowledge and importance of insects		Test (written or computer based), Assessment of activity during classes

## Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Insects systematics, biodiversity within the order; basic identification of most common species; insect based fobias; insects in art, religion and medicine, hazardous species; synanthropes; citizen science; economical importance of the group; insects as food source; pollination; macrophotography	W1, W2, K1	Lecture
2.	Basic identification of most common species encountered during the field class.	U1, U2, K1	Field exercises

## Course advanced

Activities	Methods of conducting classes
Lecture	Lecture, Presentation, Analysis of source materials, Teamwork, Individual work, Observation
Field exercises	Field observations

Activities	Examination method	Percentage
Lecture	Test (written or computer based)	80%
Field exercises	Assessment of activity during classes	20%

Activities	Credit conditions
Lecture	Written final exam. To pass the subject student needs a positive grade from laboratory works and the final exam: 51-60% - 3; 61-70% - 3,5; 71-80% - 4; 81-90 - 4,5; 91-100 - 5. Final written exams are kept in the archives.
Field exercises	Completion of practical exercises in the form of reports from field class/experiments

## Literature

### Obligatory

1. Insect Biodiversity: Science and Society, Second Editor(s): Robert G. Footitt, Peter H. Adler
2. The Book of Beetles: A Life-Size Guide to Six Hundred of Nature's Gems Patrice Bouchard
3. Bees of the World Charles Michener

## Calculation of ECTS points

Activity form	Activity hours*
Lecture	26
Field exercises	4
Preparation for the test	30
Preparation for exercises	15
<b>Student workload</b>	<b>Hours</b> 75
<b>Number of ECTS points</b>	<b>ECTS</b> 3

\* hour means 45 minutes