



**FACULTY OF BIOLOGY AND
ENVIRONMENTAL PROTECTION**
University of Lodz



ENGLISH LANGUAGE STUDY PROGRAM OFFER
ACADEMIC YEAR 2026/2027

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WINTER SEMESTER COURSES 2026/2027

Language of instruction – *English*

For whom:

A – for full-time students and foreign exchange programs (for all UL)

B – for full-time students and foreign exchange programs

C – for students of foreign exchange programs

No	Course code	Course name	ECTS	Level (BA, MA, OP – Optional)	ISCED code	Hours	Type of classes L – lecture P – practicals S – seminar D – discussion	Lecturer	For whom (A,B,C)	Institute
1	0400-BAM06D	Physiology of animals/Principles of neural sciences	3	OP	0511	13	L	<i>Tomasz Kowalczyk, PhD; DSc, assoc. prof.</i>	B	Institute of Experimental Biology
2	0400-BAM31D	Fluorescence and fluorescence probes in biological research	3	OP	0512	13	L	<i>Błażej Rychlik, PhD</i>	B	Institute of Biophysics
3	0400-BAM32D	Aging of cells and organisms. Why do we age? Can the process of aging be prevented or modified?	6	OP	0511	30	L	<i>Łukasz Pułaski, PhD; assoc. prof.</i>	A	Institute of Biophysics
4	0400-BAM46D	Microbes and their hosts	3	MA	0511	13	L	<i>prof. Magdalena Mikołajczyk-Chmiela (Coordinator)</i>	B	Institute Microbiology, Biotechnology and Immunology
5	0400-BAM100D	General Microbiology	6	OP	0511	26	L (8) P (18)	<i>dr Iwona Kwil, PhD</i>	B	Institute Microbiology, Biotechnology and Immunology
6	0400-BAM105D	Optical microscopy in biological research (Limit: 6 students/group)	6	OP	0511	39	P	<i>Marek Wieczorek, PhD, DSc, assoc. prof. Łukasz Pułaski, PhD, DSc, assoc. prof.</i>	C	Institute of Experimental Biology, Institute of Biophysics
7	0400-BAM64D	Computers in molecular biology and biotechnology - sequence analysis, simulations, docking and macromolecular dynamics	3	MA	0511	13	L	<i>Michał Ponczek, PhD, DSc</i>	B	Institute of Biochemistry
8	0400-BAM101D	Epigenetics	3	OP	0511	13	P	<i>Magdalena Strachowska, PhD</i>	B	Institute of Biochemistry
9	0400-BAM102D	Introduction to scanning electron microscopy (SEM) (Limit: between 6-8 students)	3	OP	0511	13	P	<i>Piotr Józwiak, PhD</i>	B	Institute of Ecology and Environmental Protection
10	0400-BAM73D	Molecular Ecology	6	OP	0511	26	L	<i>Tomasz Mamos, PhD, DSc, assoc. prof.</i>	B	Institute of Ecology and Environmental Protection
11	0400-BAM74D	Palaeoclimatology, Palaeolimnology, Palaeoecology	3	OP	0521	13	L	<i>Mateusz Płóciennik, PhD, DSc</i>	B	Institute of Ecology and Environmental Protection
12	0400-BAM76cD	Fungi: Key Players in Ecosystems and Human Life	3	OP	0511	13	P	<i>Izabela Kałucka, PhD, DSc</i>	C	Institute of Ecology and Environmental Protection
13	0400-BAM91D	Biology of spiders and their kin	3	OP	0511	13	L	<i>Maciej Bartos, PhD, DSc, assoc. prof.</i>	B	Institute of Ecology and Environmental Protection
14	0400-BAM97D	Show me your bones and I'll show you who you are. Introduction to physical anthropology of the human skeleton	6	OP	0511	26	P	<i>Joanna Mietlińska-Sauter, PhD, DSc</i>	C	Institute of Ecology and Environmental Protection
15	0400-SE152UD	Ecotoxicology	5	OP	0521	39	L – 13 P – 26	<i>prof. Joanna Mankiewicz-Boczek</i>	C	Institute of Ecology and Environmental Protection
16	0400-SE153UD	Environmental / Landscape Planning	5	OP	0521	39	L – 13 P – 26	<i>Małgorzata Łąpinska, PhD</i>	C	Institute of Ecology and Environmental Protection

17	0400-SE154UD	Environmental Protection Politics	3	OP	0521	39	L – 26 P – 13	<i>Natalia Ratajczyk, PhD</i>	C	Institute of Ecology and Environmental Protection
18	0400-BAM103D	Fundamentals of animal systematics	6	OP	0511	26	P	<i>Anna Stępień, PhD</i>	B	Institute of Ecology and Environmental Protection
19	0400-BAM104D	Introduction to ecological statistic analysis in R	6	OP	0511	26	P	<i>Robert Sobczyk, PhD</i>	B	Institute of Ecology and Environmental Protection
20	0400-BAM27D	Sustainable development – the challenge of XXI century	3	OP	0521	15	L	<i>Natalia Ratajczyk, PhD</i>	A	Institute of Ecology and Environmental Protection
21	0400-BAM29D	Paradise not yet lost – enormous biodiversity in waters	6	OP	0511	26	L	<i>Anna Stępień, PhD (Coordinator); Aleksandra Jabłońska, PhD</i>	B	Institute of Ecology and Environmental Protection
22	0400-BAM42D	Insect diversity and adaptations	3	OP	0511	13	L	<i>Radomir Jaskuła, PhD</i>	B	Institute of Ecology and Environmental Protection
23	0400-BAM57D	Diatoms as indicators of water quality and conditions in freshwater ecosystems – bases of water biomonitoring	6	OP	0521	26	D	<i>Paulina Nowicka-Krawczyk, PhD (Coordinator)</i>	C	Institute of Ecology and Environmental Protection
24	0400-BAM65D	Insects in human life	3	OP	0511	13	L	<i>Radomir Jaskuła, PhD</i>	B	Institute of Ecology and Environmental Protection
25	0400-BAM69D	Tropical ecology and conservation	6	OP	0521	26	L	<i>Małgorzata Ruszkiewicz-Michalska, PhD, DSc (Coordinator); Anna Drozd, PhD, DSc, assoc. prof. Marta Kolanowska, PhD, DSc, assoc. prof. Aleksandra Jabłońska, PhD Radomir Jaskuła, PhD</i>	B	Institute of Ecology and Environmental Protection
26	0400-BAM72D	Protecting natural heritage - National Parks all over the World	3	OP	0522	13	L	<i>Anna Jażdżewska, PhD, DSc, assoc. prof.</i>	B	Institute of Ecology and Environmental Protection
27	0400-BAM94D	National Parks and their role in protecting natural heritage – field course (As a part of the course – a 3-day field trip to a selected National Park (between 13-31/10/2026, Limit - 15 students)	6	OP	0522	26	P	<i>Anna Jażdżewska, PhD, DSc, assoc. prof.</i>	C	Institute of Ecology and Environmental Protection

SUMMER SEMESTER COURSES 2026/2027

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LP	Course code	Course name	ECTS	Level (BA, MA, OP – Optional)	ISCED code	Hours	Type of classes L – lecture P – practicals S – seminar D – discussion	Lecturer	For whom (A,B,C)	Institute
1	0400-BAM48D	Cell cycle, apoptosis and cancer	3	OP	0512	13	L	<i>Aneta Rogalska, PhD, DSc, assoc. prof.</i>	B	Institute of Biophysics
2	0400-BAM95D	Basics of in vitro cell cultures in anticancer drug development	6	MA	0511	26	P	<i>Mateusz Kciuk, PhD</i>	C	Institute of Experimental Biology
3	0400-BAM49D	Cancer epigenetics	3	MA	0511, 0512	13	L	<i>Anna Krześlak, PhD, DSc, assoc. prof.</i>	B	Institute of Biochemistry
4	0400-BAM50D	Epigenetics and lifestyle	3	OP	0511, 0512	13	L	<i>Anna Krześlak, PhD, DSc, assoc. prof.</i>	B	Institute of Biochemistry
5	0400-BAM101D	Epigenetics	3	OP	511	13	P	<i>Magdalena Strachowska, PhD</i>	B	Institute of Biochemistry
6	0400-BAM85D	Methods of isolation and evaluation of nucleic acids	3	MA	0511	13	P	<i>Agnieszka Robaszkiewicz, PhD, DSc, assoc. prof</i>	C	Institute of Biophysics
7	0400-BAM90D	Basic parasitology	3	BA	0511	13	P, S	<i>Justyna Gatkowska, PhD, DSc, assoc. prof. (Coordinator); Bożena Dziadek, PhD, DSc, assoc. prof.</i>	C	Institute Microbiology, Biotechnology and Immunology
8	0400-BAM93D	Plant in vitro cultures (Students attending classes are required to have protective clothing – a lab coat)	6	BA	0512	26	P	<i>Marcin Naliwajski, PhD (Coordinator); Katarzyna Bergier, PhD</i>	C	Institute of Experimental Biology
9	0400-BAM62D	Introduction to Flow Cytometry	3	OP	0512	13	L	<i>Błażej Rychlik, PhD</i>	B	Institute of Biophysics
10	0400-BAM68D	Essentials of script programming for biologists on the example of Python language	3	MA	0613	13	L	<i>Michał Ponczek, PhD, DSc</i>	B	Institute of Biochemistry
11	0400-BAM82D	Cryo-electron microscopy for structural research of biological macromolecules	6	MA	0512	26	L – 13 P – 13	<i>Michał Ponczek, PhD, DSc</i>	C	Institute of Biochemistry
12	0400-BAM102D	Introduction to scanning electron microscopy (SEM) (Limit: between 6-8 students/group)	3	OP	0511	13	P	<i>Piotr Józwiak, PhD</i>	B	Institute of Ecology and Environmental Protection
13	0400-BAM98D	Plant-environment interactions	6	OP	0511, 0512	26	P	<i>Justyna Nawrocka, PhD (Coordinator); Anna Wyrwicka-Drewniak, PhD</i>	C	Institute of Experimental Biology
14	0400-BAM70D	Life trapped in amber	3	OP	0511	13	L	<i>Agnieszka Soszyńska, PhD, DSc, assoc. prof.</i>	B	Institute of Ecology and Environmental Protection
15	0400-BAM76bD	Fungi: Key Players in Ecosystems and Human Life	3	OP	0511	13	L	<i>Izabela Kałucka, PhD, DSc</i>	C	Institute of Ecology and Environmental Protection

16	0400-BAM76cD	Fungi: Key Players in Ecosystems and Human Life	3	OP	0511	13	P	<i>Izabela Kałucka, PhD, DSc</i>	C	Institute of Ecology and Environmental Protection
17	0400-BAM106D	Multi-proxy palaeoecology (on-site fieldwork & laboratory, Limit: up to 10 students)	6	OP	0511	26	P	<i>Mateusz Płóciennik, PhD, DSc</i>	B	Institute of Ecology and Environmental Protection
18	0400-BAM103D	Fundamentals of animal systematics	6	OP	0511	26	P	<i>Anna Stępień, PhD</i>	B	Institute of Ecology and Environmental Protection
19	0400-BAM104D	Introduction to ecological statistic analysis in R	6	OP	0511	26	P	<i>Robert Sobczyk, PhD</i>	B	Institute of Ecology and Environmental Protection
20	0400-BAM77D	Urban biodiversity protection	6	OP	0521	26	L – 13 P – 13	<i>Maciej Bartos, PhD, DSc, assoc. prof.</i>	C	Institute of Ecology and Environmental Protection
21	0400-BAM92D	Urban ecosystem functioning and environmental protection	3	BA	0511	13	P	<i>Maciej Bartos, PhD, DSc, assoc. prof.</i>	C	Institute of Ecology and Environmental Protection
22	0400-BAM96D	Broken bones and torn tendons. Selected issues in the field of paleopathology of the human skeleton	6	OP	0511	26	P	<i>Joanna Mietlińska -Sauter, PhD</i>	C	Institute of Ecology and Environmental Protection
23	0400-SE250UD	Applied Aquatic Ecology	5	OP	0521	39	L – 13 P – 26	<i>Małgorzata Łapińska, PhD</i>	C	Institute of Ecology and Environmental Protection
24	0400-WO0011	Ecohydrology and ecological biotechnologies as a key for bioeconomy and adaptation to global changes	3	OP	0521	15	L	<i>Tomasz Jurczak, PhD, DSc, assoc. prof. (Coordinator)</i>	A	Institute of Ecology and Environmental Protection

