

FACULTY OF BIOTECHNOLOGY

Courses available for **1st cycle Biotechnology Exchange Students (2026/2027 academic year)**:

Winter semester (Oct. 1 - Feb. 4) (Exams: Feb. 5-13 + Feb. 14-20)				Summer semester (Feb. 21 – Jun. 16) (Exams: Jun. 17-30 + Sep. 1-9)				
sem.	Course or Module	hours	ECTS	sem.	Course or Module	hours	ECTS	
I	Plant Biology (lect./lab.)	15/15	2/2	II	Physiochemical Methods in Biology (lecture)	20	3	
	Animal Biology (lect.-e-learning/lab.)	15/15	2/2		Introduction to Statistics (MODULE: lect./comp. lab.)	30/30	6	
	General and Inorganic Chemistry (lect./lab.)	30/30	3/2		Structure and Function of Biomolecules (lect./lab.)	45/60	5/5	
	Mathematics in life sciences (MODULE: lect./tut.)	30/30	5		Organic Chemistry (lect./lab.)	30/45	4/3	
	Computer Sciences (MODULE: lect./comp. lab.)	15/30	4		IV	Microbiology (lect./lab.)	30/30	3/2
III	Metabolism (lect.)	45	5	Techniques in Molecular Biology (lect./lab.)		20/45	2/3	
	Metabolism of Proteins and Carbohydrates (lab.)	40	3	Plant Physiology (lect.; e-learning)		30	3	
	Metabolism of Lipids (lab.)	20	2	Animal Physiology (lect.)		30	3	
	Biophysical Chemistry (lect./tut.+lab.)	30/30	3/2	Plant Cell Cultures Techniques (MODULE: lect./lab.) #		15/30	4	
	Genetics (lect./lab.)	30/30	3/2	Animal Cell Cultures Techniques (MODULE: lect./lab.) #		15/30	4	
	Scientific presentations (seminar)	15	2	Bioinformatics and databases (MODULE: lect./comp. lab.) #		15/30	4	
	Elective lecture*	15	2	Bioinformatics and protein modeling (MODULE: lect./comp. lab.) #		15/30	4	
	V	Cell Biology (lect./lab.)	30/45	4/3		Biophysics and bioenergetics (MODULE: lect./lab.) #	30/30	5
Preparative Biochemistry (lect./lab.)		15/30	2/2	Medical biophysics (MODULE: lect./lab.) #		30/30	5	
Medical Biotechnology (MODULE: lect./lab.) #		30/45	7	Seminar 1.*		15	2	
Industrial Biotechnology (MODULE: lect./lab.) #		30/45	7	Elective lecture *		15	2	
Bioethics (lect.)		15	2	VI		Bioengineering (MODULE: lect./lab.) #	30/15	3
Seminar 2.*		30	4			Biotechnology of pharmaceuticals (MODULE: lect./lab.) #	30/15	3
Elective lecture*		15	2			Enzymology (lect./lab.)	30/45	3/3
Elective lecture*		15	2		Economics (lect./tut.)	30/15	2/2	
					Immunology (lect./lab.)	30/30	3/2	
			Intellectual Property Law (lect.)		15	1		

* Topics of elective lectures and seminars are announced before the beginning of the semester.

Elective modules - only one of the two options can be chosen by the exchange student.

Exchange Students hosted by other Faculties should agree their participation in classes with Biotechnology Erasmus+ Coordinator. This is because a **limited number of places** is available. The **safety rules** and regulations, and **course requirements** are also determinative factors for laboratory admission.

In order to register for classes, **Exchange Students should contact** Biotechnology Erasmus+ Coordinator.

Justyna Ciuraszkiewicz, PhD
justyna.ciuraszkiewicz@uwr.edu.pl