

Course Syllabus

Course from study programme for the cycle: 2025/2026

I. General Information

Course name	Specialise foreign language
Programme	Biotechnology
Level of studies (BA, BSc, MA, MSc, long-cycle MA)	MSc
Form of studies (full-time, part-time)	full-time
Discipline	Biological sciences
Language of instruction	English

Course coordinator	Dr hab. inż. Andrea Baier, prof. KUL
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Type of class (<i>use only the types mentioned below</i>)	Number of teaching hours	Semester	ECTS Points
lecture			4
tutorial			
classes	60	I, II	
laboratory classes			
workshops			
seminar			
introductory seminar			
foreign language classes			
practical placement			
field work			
diploma laboratory			
translation classes			
study visit			

Course pre-requisites	Knowledge of chemistry, biochemistry, microbiology and cytophysiology
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II. Course Objectives

Familiarisation with vocabulary and phrases related to chemistry, biology and biotechnology
Reading comprehension of scientific works and texts in English
Preparing an oral presentation in English

III. Course learning outcomes with reference to programme learning outcomes

Symbol	Description of course learning outcome	Reference to programme learning outcome
KNOWLEDGE		
W_01	describes biological and biotechnological processes and	K_W01

	demonstrates knowledge of specialist terminology used in biology, chemistry and biotechnology in English	
SKILLS		
U_01	analyses experiment instructions and scientific literature in the field of natural sciences in English at B2+ level	K_U02
U_02	describes research methods and summarises short scientific texts	K_U06
U_03	prepares a short presentation in English using specialist terminology	K_U16
SOCIAL COMPETENCIES		

IV. Course Content

<p>1st semester:</p> <ol style="list-style-type: none"> 1) Vocabulary related to health and safety, names of laboratory equipment and tools (4 hours, W_01) 2) Terminology related to chemistry, physics and mathematics (6 hours, W_01) 3) Test (2 hours) 4) Issues in cell biology, physiology, biochemistry and molecular biology (6 hours, W_01) 5) Methods used in biotechnology (6 hours, U_01, U_02) 6) Biotechnological processes (4 hours, U_01, U_02) 7) Test (2 hours) <p>2nd semester:</p> <ol style="list-style-type: none"> 1) Food, environmental and pharmaceutical biotechnology (8 hours, W_01, U_01) 2) Test (2 hours) 3) Participation in conferences and meetings (2 hours, W_01, U_03) 4) Planning experimental research (4 hours, U_01) 5) Writing results and discussion, describing drawings and graphs (4 hours, U_02) 6) Writing the introduction and summary (4 hours, U_02) 7) Discussion and presentation of research topics (4 hours, U_03) 8) Test (2 hours)

V. Didactic methods used and forms of assessment of learning outcomes

Symbol	Didactic methods <i>(choose from the list)</i>	Forms of assessment <i>(choose from the list)</i>	Documentation type <i>(choose from the list)</i>
KNOWLEDGE			
K_W01	Working with text Text analysis discussion	Written test	Evaluated test
SKILLS			
K_U01	Working with text Text analysis discussion	Written test	Evaluated test
K_U02	Discussion	Written test	Evaluated test
K_U03	Discussion	Presentation	Presentation rating card
SOCIAL COMPETENCIES			

VI. Grading criteria, weighting factors.....

written test in the form of 4 tests - 80%
preparation of a multimedia presentation - 20%

Written assessment:

very good (5)	above 95%
good plus (4.5)	86%-95%
good (4)	76%-85%
satisfactory plus (3.5)	68%-75%
satisfactory (3)	51%-67%

Six hours of unexcused absence from classes is permitted. The method of making up for absences is indicated by the instructor. Students may use electronic equipment during classes.

VII. Student workload

Form of activity	
Number of contact hours (with the teacher)	60
Number of hours of individual student work	40

VIII. Literature

Basic literature
1. S.R. Gallagher, E.A. Wiley "Current Protocols Essential Laboratory Techniques". Wiley, 2008
scientific texts, publications in biology and chemistry