

Course Syllabus

I. General Information

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

Course coordinator/person responsible	Dr hab. inż. Andrea Baier
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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	II	
laboratory classes			
workshops			
seminar			
introductory seminar			
foreign language classes			
practical placement			
field work			
diploma laboratory			
translation classes			
study visit			

Course pre-requisites	completed course: English lecture at level B2 completed course: chemistry, biochemistry, general microbiology
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II. Course Objectives

introduction to vocabulary and phrases referring to chemistry, biology, biotechnology and natural sciences in a general sense.
reading comprehension scientific works and texts.

III. Course learning outcomes with reference to programme learning outcomes

Symbol	Description of course learning outcome	Reference to programme learning outcome
KNOWLEDGE		
W_01	knows the specific terminology used in biotechnology, understands and is able to define complex phenomena and processes occurring in living organisms	K_W01
SKILLS		
U_01	proficiently uses literature in the field of natural sciences English, shows knowledge in specialised vocabulary in the field of biotechnology, uses modern foreign language at level B2+	K_U02
U_02	on the basis of his own research he has the ability to write a work in English	K_U06
U_03	regularly updates the knowledge in natural sciences and knows its practical application, understands the need to follow regularly the scientific literature as well as to familiarize himself with scientific journals to deepen his knowledge	K_U16

IV. Course Content

Chemical, biological, biochemical terminology. Physiological and molecular biology issues. Methods used in biotechnology. Discussion on research topics, results presentation and conclusions.

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			
W_01	Discussion	Written test presentation	Evaluated test, presentation rating card
SKILLS			
U_01	Discussion, presentation	presentation	Presentation rating card
U_02	Discussion, textual analysis	Written test, report	Evaluated test, report printout
U_03	Discussion, textual analysis	Written test, report	Evaluated test, report printout

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

4 written tests - 80%

multimedia presentation, homework - 10%

activity during classes - 10%

Very good (5)

- the student realizes the assumed learning outcomes at a very good level
- the student demonstrates knowledge of the education content at the level of 95-100%

- over good (4.5)** - the student accomplishes the assumed learning outcomes an over good level
 - the student demonstrates knowledge of the education content at the level of 85-94 %
- good (4)** - the student accomplishes the assumed learning outcomes at a good level
 - the student demonstrates knowledge of the education content at the level of 75-84%
- Quite good (3.5)** - the student accomplishes the assumed learning outcomes at a quite good level
 - the student demonstrates knowledge of the education content at the level of 65-75%
- sufficient (3)** - the student accomplishes the assumed learning outcomes at a sufficient level
 - the student demonstrates knowledge of the education content at the level of 51-64%
- insufficient (2)** - the student accomplishes the assumed learning outcomes at an insufficient level
 - the student demonstrates knowledge of the education content below the level of 51%

VII. Student workload

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

VIII. Literature

Basic literature
1. Clark D. P., Pazdernik N. J. "Biotechnology". Academic Cell Update. Elsevier, 2012
2. Higson S. P. J. "Analytical Chemistry". Oxford University Press, 2003
3. S.R. Gallagher, E.A. Wiley \"Current Protocols Essential Labolatory Techniques\". Wiley, 2008
4. Scientific articles
Additional literature
1. "Manual of Industrial Microbiology and Biotechnology" Baltz R.H., Demain A.L. and Daveis J.E (Eds.). ASM Press, 2010
2. Evans G. M., Furlong J. C. "Environmental Biotechnology". Wiley-Blackwell, 2011