


KAPITAŁ LUDZKI
 NARODOWA STRATEGIA SPÓJNOŚCI

 Projekt współfinansowany przez
 Unię Europejską w ramach
 Europejskiego Funduszu
 Społecznego

UNIA EUROPEJSKA
 EUROPEJSKI
 FUNDUSZ SPOŁECZNY


Course title		ECTS code	
Natural Plant Products		13.1.1535	
Name of unit administrating study			
null			
Studies			
faculty	field of study	type	second tier studies (MA)
Faculty of Biology	Medical Biology	form	full-time
		specjalty	null, neurobiology, molecular-biochemical diagnostics
		specialization	all
Teaching staff			
dr hab. Wojciech Pokora, profesor uczelni; dr hab. Anna Aksmann, profesor uczelni			
Forms of classes, the realization and number of hours		ECTS credits	
Forms of classes		2	
Lecture		a) Classes requiring direct participation of the academic teacher and a student:	
The realization of activities		- participation in lectures: 15 h	
classroom instruction, online classes		- participation in consultation: 5 h	
Number of hours		b) Student's own work:	
Lecture: 15 hours		- preparation for classes, exam, final assessment: 25 h	
		TOTAL: 45 hours	
The academic cycle			
2022/2023 winter semester			
Type of course		Language of instruction	
an elective course		english	
Teaching methods		Form and method of assessment and basic criteria for evaluation or examination requirements	
lecture with multimedia presentation,		Final evaluation	
		Graded credit	
		Assessment methods	
		- assignment work – project or presentation	
		- Written/electronic documentation of presentation	
		Oral report, multimedia presentation, credit with a grade	
		The basic criteria for evaluation	
		reports: minimum 51% of points from report after each lab meeting	
Method of verifying required learning outcomes			
Required courses and introductory requirements			
A. Formal requirements			
none			
B. Prerequisites			
basic knowledge in plant biology or plant physiology			
Aims of education			
The aim of the auditory is to acquaint students with the possibilities of using the knowledge about the occurrence, isolation techniques and biological activity of natural plant products in everyday life and science.			
Course contents			
Topics of the auditory:			

The most important natural products from plant and their importance for the pharmaceutical and biotechnology industry. Plant products/derivatives in cosmetics, beauty and wellness industry. Natural medicine. Medicines and poisons from the garden/meadow/forest. Plant products and cuisine – preparation technology and properties. Plant products as the source of green energy

Bibliography of literature

Selected scientific articles

The learning outcomes (for the field of study and specialization)

P6/7U_W, P6/7S_WG, P6/7S_WK, BM2_W01, BM2_W02, BM2_W04
P6/7U_U, P6/7S_UW, P7S_UW, BM2_U01
P7U_K, P6/7S_KR, P7S_UK, BM2_K07

Knowledge

1. Student recognizes research problems from the border of biological sciences that require the use of advanced science tools.
2. Student has in-depth knowledge of the role of plant originated products in everyday life and in biological sciences
3. Student is familiar with the development and current state of knowledge, as well as the latest trends in plant science and indicates their relationship with other disciplines in the natural sciences.

Skills

4. Student knows basic research equipment and tools, as well as maintains correct order of activities in the laboratory when works with plant material

Social competence

5. Student makes a critical self-assessment of their own competences, as well as updates their knowledge and improves discuss skills

Contact

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