

<b>1.</b>	<b>Field of study</b>	<b>Biotechnology</b>
2.	Faculty	Faculty of Natural Sciences
3.	Academic year of entry	2020/2021 (winter term)
4.	Level of qualifications/degree	first-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time

**Module:** Comfort and ergonomics of work and study

**Module code:** 1BT\_07A

**1. Number of the ECTS credits:** 1

<b>2. Learning outcomes of the module</b>			
<b>code</b>	<b>description</b>	<b>learning outcomes of the programme</b>	<b>level of competence (scale 1-5)</b>
1BT_07_1	Student is able to describe and interpret basic rules of occupational safety and hygiene and ergonomics. He/she is skilled to distinguish critical events during work process, recognize typical problems and apply simple solutions concerning occupational safety, work efficiency and ergonomics in to day practice at the work place, private life and during studies.	1BT_U03_P 1BT_W08_P	3 3
1BT_07_2	Student is able to serve premedical aid to the victims of occupational accidents and react in a proper way in case of typical threats	1BT_U04_P	3
1BT_07_3	Student is aware the responsibility for the his/her own occupational safety and the safety of other persons	1BT_U03_P 1BT_U04_P	4 4
1BT_07_4	Student demonstrates the ability and skills to use basic methods for the assessment of work load and work environment conditions and safety.	1BT_U02_P	3
1BT_07_5	Student can critically assess common opinions on the threats in the occupational environment and work process as wel those concerning typical work health problems.	1BT_K01_P	3

### **3. Module description**

<b>Description</b>	The aim of the teaching module is to give the student a basic knowledge on work physiology, occupational safety and hygiene, ergonomics and work environment safety. Lectures present characteristics of physical, operational and office-intellectual work as well as the characteristics of the occupational environment and threats. The basic preventions methods of the occupational and environmental threats are presented. The classes concern basic measurements and assessment methods of physical and mental work capacity, physical and mental work load, basic environmental characteristic as well basic standards and regulations concerning occupational law.
<b>Prerequisites</b>	Basic knowledge on human physiology, chemistry and physics achieved in secondary school

4. Assessment of the learning outcomes of the module			
code	type	description	learning outcomes of the module
1BT_07_w_1	Coursework	according to the Syllabus	1BT_07_1, 1BT_07_2, 1BT_07_3, 1BT_07_4, 1BT_07_5

5. Forms of teaching						
code	form of teaching			required hours of student's own work		assessment of the learning outcomes of the module
	type	description (including teaching methods)	number of hours	description	number of hours	
1BT_07_fs_1	lecture	Lectures accompanied with audiovisual presentations	5	Work with selected readings and suggested sources of information with the aim of supported conspectus of the lectures. Self preparing to the classes and tests	2	1BT_07_w_1
1BT_07_fs_2	practical classes	Analiza wybranych problemów z zakresu bezpieczeństwa pracy i ergonomii. Konstruowanie i analiza równań i wykresów zależności funkcji organizmu od własności fizyko-chemicznych środowiska pracy. Dyskusja nad problemami, wskazanie piśmiennictwa i źródeł internetowych.	10	analiza tekstów źródłowych wg instrukcji, przygotowanie prezentacji	8	1BT_07_w_1