

# Subject programme

- Subject name / subject module: **Occupational Health and Safety training**
- Lecture language: **English**
- The location of the subject in study plans:**
  - Area or areas of the studies: Computer Engineering and Mechatronics
  - Degree of the studies: **1<sup>st</sup> degree studies**
    - Field or fields (implementation of effects standard): **Mechatronics**
- Supervision of subject implementation:
  - The Institute / Another unit: **Institute of Informatics and Mechatronics**
  - The person responsible for the subject: **Trojanowski Radosław, mgr inż.**
  - People cooperating in the development of the programme of the subject:
- The number of hours and forms of teaching for individual study system and the evaluation method

Mode of study	Teaching activities with the tutor																				Total ECTS		
	Form of classes																						
	Lecture	SOW	ECTS	...	SOW	ECTS	...	SOW	ECTS	...	SOW	ECTS	...	SOW	ECTS	...	SOW	ECTS	...	SOW	ECTS	ECTS	
Full-time studies	0	0	0																				0
Part-time studies			0																				0
Credit rigor	...	pass/fail grading																					

- Student workload – ECTS credits balance  
*1 ECTS credit corresponds to 25-30 hours of student work needed to achieve the expected learning outcomes including the student's own work*

Activity (please specify relevant work for the subject)	Hourly student workload (full-time studies/part-time studies)
Participation in lectures	0/0
Participation in remote lectures	4/0
Total student workload (TSW)	4/0
ECTS credits	0
* Student's workload related to practical forms	0/0
Student's workload in classes requiring direct participation of academic teachers	4/0

- Implementation notes: recommended duration (semesters), recommended admission requirements, relations between the forms of classes:

None

Recommended duration of the subject is taken from the course plan.

- Specific learning outcomes – knowledge, skills and social competence

Specific learning outcomes for the subject		Form	Teaching method	Methods for testing of (checking, assessing) learning outcomes
Outcome symbol	Outcome description			
<b>Knowledge</b>				
K_W17	Student has basic knowledge of ergonomics and occupational health and safety, A graduate can apply the above knowledge both in the role of an employee and running a business.	Lecture	expository methods	Tests on remote learning platform
<b>Skills</b>				
K_U11	Student has the skills to work in an industrial environment and knows the Occupational Health and safety rules related to work in industry.	Lecture	expository methods	Tests on remote learning platform

- Assessment rules / criteria for each form of education and individual grades

0% - 70%	ndst	81% - 90%	db
71% - 75%	dst	91% - 93%	db+
76% - 80%	dst+	94% - 100%	bdb

Activity	Grades	Calculation	To Final
Test 1	db, dst, bdb (4,3,5)	Average $(3+4+5)/3=4*25\% = 1$	1,25
Test 2	db, dst, bdb (4,3,5)	Average $(3+4+5)/3=4*25\% = 1$	1,25
Test 3	db, dst, bdb (4,3,5)	Average $(3+4+5)/3=4*25\% = 1$	1,25
Test 4	db, dst, bdb (4,3,5)	Average $(3+4+5)/3=4*25\% = 1$	1,25
Final grade			5,0

10. The learning contents with the form of the class activities on which they are carried out

### Lecture

1. Characteristics of labour protection system in Poland;
2. The scope of OSH and definition of basic concepts in OSH;
3. The principles of fire protection;
4. Characteristics of environmental protection;
5. Basic issues on pollution;
6. Utilization, biodegradation and recycling;
7. Activities related to: spatial structure of the workplace, lighting and colors in work environment;
8. Elements of control and system over the legal protection of health and safety at work;

11. Required teaching aids

Lecture - multimedia projector

12. Literature:

#### a. Basic literature:

- Worker participation in occupational safety and health. Office for Official Publications of the Europ. Communities. Luksemburg 2012.
- Analysis of the determinants of workplace occupational safety and health practice in a selection of EU Member States. Office for Official Publications of the Europ. Communities. Luksemburg 2013.
- Campaign guide : management leadership and worker participation in occupational safety and health. Office for Official Publications of the Europ. Communities. Luksemburg 2012.

#### b. Supplementary literature:

- Expert forecast on emerging biological risks related to occupational safety and health. Office for Official Publications of the Europ. Communities, Luksemburg 2007.

c. Internet sources:

- <https://www.osha.gov/>
- <https://www.cdc.gov/niosh/index.htm>
- <https://www.linguee.com/english-polish/translation/occupational+safety+and+health+management.html>

1. Available educational materials divided into forms of class activities (Author's compilation of didactic materials, e-learning materials, etc.)

2. Teachers implementing particular forms of education

<b>Form of education</b>	<b>Name and surname</b>
1. Lecture	Trojanowski Radosław, mgr inż.