Subject programme

1. Subject name / subject module: **Engineering internship**
2. Lecture language: **English**
3. **The location of the subject in study plans:**
   - Area or areas of the studies: Computer Engineering and Mechatronics
   - Degree of the studies: **1st degree studies**
   - Field or fields (implementation of effects standard): **Mechatronics**
4. Supervision of subject implementation:
   - The Institute / Another unit: **Institute of Informatics and Mechatronics**
   - The person responsible for the subject: **Skiba Małgorzata, mgr inż.**
   - People cooperating in the development of the programme of the subject:
5. The number of hours and forms of teaching for individual study system and the evaluation method

Teaching activities with the tutor																						
Mode of study	Form of classes																					Total
		PWS	ECTS	Internships	PWS	ECTS	...	PWS	ECTS	...	PWS	ECTS	Internships	PWS	ECTS	...	PWS	ECTS	...	PWS	ECTS	ECTS
Full-time studies				0	0	20							640									**20**
Part-time studies																						
Credit rigor	...			pass/fail grading																		

6. 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)**
Total student workload (TSW)	**640/0**
ECTS credits	**20**
* Student's workload related to practical forms	**640/0**
Student's workload in classes requiring direct participation of academic teachers	**640/0**

7. 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.

8. 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**			
Knowledge				
K_W17	**Student has basic knowledge of health and safety and basic knowledge of the principles of project planning and management.**	**Internships**	**inquiry methods**	**Assessment of the internship documentation, implementation (completion) of the internship programme**
Skills				
K_U03	**Student is able to ensure proper operation of technical infrastructure**	**Internships**	**inquiry methods**	**Assessment of the internship documentation, implementation (completion) of the internship programme**
K_U04	**Student is able to solve practical problems related to engineering activities.**			
K_U11	**Student is able to adapt to the requirements of engineers in industry.**			
K_U20	**Student knows how to cooperate with other group members and is able to communicate with other employees without any conflicts.**			

K_U21	Student is able to use professional literature and Internet resources to improve professional qualifications.			
Social competence				
K_K07	Student can work together in a group, taking different roles. Student knows and follows the rules of professional ethics.	Internships	inquiry methods	Assessment of the internship documentation, implementation (completion) of the internship programme

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

0% - 99%	fail (nzal)	100%	pass (zal)

Activity	Grades	Calculation	To Final
Provision of the necessary documentation in accordance with the internship programme	**zal/nzal (passed/failed)**	**zal = 100% / nzal = 0%**	**100%**
Final result			**100%**

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

Internships

1. Health and safety rules (working with computer, workplace ergonomics);
2. Ways of planning work and maintaining technical documentation of IT projects;
3. Company's computer system;
4. Computer network in the company;
5. The ability to communicate effectively with other people, time management and the use of available and modern information technologies - preparing the student for the implementation of the diploma engineering thesis;
6. Stimulating student's activity, developing initiative and creativity, preparing student for the implementation of their engineering thesis;
7. Basic concepts in the field of: protection of intellectual property, copyright and industrial property necessary during the implementation of engineering thesis.

11. Required teaching aids

None

12. Literature:

a. Basic literature:

Engineering Internship Programme (available on ONTE)

b. Supplementary literature:

None

c. Internet sources:

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

14. Teachers implementing particular forms of education

Form of education	Name and surname
1. Internships	Skiba Małgorzata, mgr inż.