Subject programme

1. Subject name / subject module: **Introduction to scientific information**
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: **Grochocka Agnieszka, mgr**
   - 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

Mode of study	Teaching activities with the tutor																				Total
	Form of classes																				
	Lecture	PWS	ECTS		PWS	ECTS	...	PWS	ECTS	...	PWS	ECTS	Lecture - remote	PWS	ECTS	...	PWS	ECTS	...	PWS	ECTS	ECTS
Full-time studies	2	9	1										14									1
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)
Participation in lectures	**2/0**
Participation in remote lectures	**14/0**
Independent study of the subject – preparation for final grading	**7/0**
Participation in an exam / graded assignment / final grading	**2/0**
Total student workload (TSW)	**25/0**
ECTS credits	**1**
* Student's workload related to practical forms	**0/0**
Student's workload in classes requiring direct participation of academic teachers	**16/0**

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			
Skills				
K_U01	Student is able to obtain information (in Polish and English) through the selection of sources, integrate them, as well as draw conclusions and formulate opinions.	Lecture	expository methods	Test on remote learning platform
K_U05	Student has experience and skills to use the norms, patents and standards applicable in the mechatronics industry.			

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

Test grading criterias:

0% - 60%	ndst	81% - 90%	db
61% - 70%	dst	91% - 93%	db+
71% - 80%	dst+	94% - 100%	bdb

Activity	Grades	Calculation	To Final
Test 1	bdb (5)	5*50%	2,5
Test 2	bdb (5)	5*50%	2,5
Final score			5

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

(Lecture)

1. Definition of information and its application in science;
2. Sources of scientific information;
3. Catalogs and bibliographic databases;
4. Scientific databases;
5. Licensed online knowledge databases;
6. Open Repositories;
7. Finding information using Internet;
8. Use of scientific search engines;
9. Using multi-search engines;
10. Use of library information and search systems,

11. Required teaching aids

Lecture - multimedia projector

12. Literature:
   a. Basic literature:
   - European Commission: Information society and culture : linking European policies, Office for Official Publications of the Europ. Communities. Luksemburg, 2007
   b. Supplementary literature:
   - Antczak-Sabała B., Kowalska M., Tkaczyk L. (red.), 2009, Przestrzeń informacyjna biblioteki akademickiej — tradycja i nowoczesność, Wyższa Szkoła Bankowa w Toruniu, Toruń.
   - Babik W., Pietruch-Reizes D. (red.), 2009, Wymiana informacji i rozwój profesjonaln
   c. Internet sources:
   - https://www.wikihow.com/Find-Information-Online
   - https://www.mindtools.com/pages/article/internet-searching.htm
   - https://clarivate.com/webofsciencegroup/solutions/isi-institute-for-scientific-information/

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. Lecture	Grochocka Agnieszka, mgr