

Subject programme

- Subject name / subject module: **Introduction to scientific information**
- Lecture language: **English**
- The location of the subject in study plans:
 - Area or areas of the studies: **Computer Control Systems Engineering**
 - Degree of the studies: **2nd degree studies**
 - Field or fields (implementation of effects standard): **Mechatronics**
- Supervision of subject implementation:
 - The Institute / Another unit: **The 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:
- The number of hours and forms of teaching for individual study system and the evaluation method

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

- 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			
Knowledge				
K_W09	Student has a structured and theoretically founded knowledge in the field of research methodology, covering searching of the information as well as practical application of this knowledge in mechatronics research.	Lecture	Expository methods	Test on ONTE
K_W11	Student knows and understands the basic concepts copyright. Student also knows how to use patent information resources.			
Skills				
K_U01	Student is able to obtain information in English from literature, databases, and other sources, integrate them, make their interpretation, critical analysis, synthesis and presentation of this information.	Lecture	Expository methods	Test on ONTE

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

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. The concept of information and its use in science;
2. Sources of scientific information;
3. Directories and bibliographical databases;
4. Knowledge base;
5. Licensed databases;
6. Open repositories;
7. Finding information on the Internet;
8. Using thematic services;
9. Use of scientific search engines;
10. Using multisearch engines;
11. 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

a. 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 profesjonalnych usług informacyjnych w edukacji, nauce i kulturze na rzecz społeczeństwa opartego na wiedzy, Katowice, PTIN, [dokument online]: skryba.inib.uj.edu.pl/isko/IXforum.rtf.

b. 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. Lecture	Grochocka Agnieszka, mgr