POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)
pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma seminar

Course

Field of study	Year/Semester
Automation and Robotics	2/3
Area of study (specialization)	Profile of study
	general academic
Level of study	Course offered in
Second-cycle studies	Polish
Form of study	Requirements
full-time	compulsory

Number of hours

Lecture	Laboratory classes	Other (e.g. online)
Tutorials	Projects/seminars	
	30	

Number of credit points

2

Lecturers

Responsible for the course/lecturer:

dr hab. inż. Tomasz Pajchrowski

email: tomasz.pajchrowski@put.poznan.pl

tel. 61-6652385

Wydział Elektryczny

ul. Piotrowo 3A, 60-965 Poznań

Responsible for the course/lecturer:

dr hab. inż. Tomasz Pajchrowski

email: tomasz.pajchrowski@put.poznan.pl

tel. 61-6652385

Wydział Elektryczny

ul. Piotrowo 3A, 60-965 Poznań

Prerequisites

She/He is familiar with the current status and the latest development trends in the field of automation and robotics. The topic of the master's thesis selected and discussed with the supervisor.

Course objective

Expanding knowledge in the field of the subject of the diploma paper. To get to know selected issues concerning the collection of necessary materials and the rules of preparation/editing of the Master's thesis.

POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)
pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

Course-related learning outcomes

Knowledge

Skills

K2_U3 is able to communicate using a variety of techniques in professional and other environments, also in a foreign language;

K2_U4 is able to prepare a scientific paper in his/her native language and a short scientific report in English, presenting the results of his/her own research;

K2_U5 has the ability to prepare and deliver in Polish and foreign language an oral presentation on a specific topic in the field of automation and robotics

K2_U7 has language skills in the field of automation and robotics, in compliance with the requirements specified for the B2+ level of the Common European Framework of Reference for Languages;

K2_U14 in formulating and solving tasks involving the design of automation and robotics systems, is able to notice their non-technical aspects, including environmental, economic and legal ones;

Social competences

K2_K1 understands the need and knows the opportunities of continuous education - improving professional, personal and social competences, is able to inspire and organise others' education process;

K2_K2 is aware of the importance of and understands non-technical aspects and effects of engineering activity, including its influence on the environment and the related responsibility for taking decisions; is willing to develop professional achievements

K2_K6 is aware of the social role of a technical university graduate and understands the need to formulate and communicate to the society (particularly through mass media) information and opinions on the achievements of automation and robotics in the field of research and application works, as well as other aspects of engineering activity; he/she makes efforts to convey such information and opinions in a commonly understood way, justifying various points of view;

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

- Evaluation of progress of the diploma thesis

- Evaluation of multimedia presentations concerning diploma theses

- Evaluation of participation in the discussion on the papers

-Analysis and discussion of different methods of problem solving

-The ability to manage time in the design and implementation of the project work

-Assessment of incremental skills in the use of known principles and methods

POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

-Current progress in the completion of tasks

-Assessment and defence by the student of the report on the implementation of the selected task

Programme content

- Principles and standards of creating scientific papers and diploma theses (bibliography, illustrations, citations).

- Copyright and related rights in the practice of preparing diploma theses.

- IT tools necessary for analysing the results of experiments and visualisation.

- IT tools useful in preparing the diploma paper (LaTeX, BibTeX).

Teaching methods

Project

Depending on the research group: lecture with multimedia presentation (including: drawings, photos, animations, sound, films) supplemented with examples given on the blackboard, demonstration, performing experiments, .team discussion, case study.

Bibliography

Basic

1. Maria Węglińska, Jak pisać pracę magisterską? Impuls 2016

2. Jak pisać prace uniwersyteckie : poradnik dla studentów, Paul Oliver ; przekł. [z ang.]. - Kraków :

Wydaw. Literackie, 1999.

3. Dobre rady dla piszących teksty naukowe, David Lindsay ; przeł. [z ang.].- Wrocław : Politechnika

Wrocławska, 1995.

4. Bibliografia wyszukana przez studenta.

5. https://www.latex-project.org/about/

6. https://www.latex-tutorial.com/quick-start/

Additional

1. Jak pisać teksty naukowe?, Jolanta Maćkiewicz. - [Wyd.2 poszerz., dodr.]. - Gdańsk : Uniwersytet

Gdański, 2001.

2. Metodologia nauk, Jerzy Apanowicz. - Toruń : Towarzystwo Naukowe Organizacji i Kierownictwa Dom

Organizatora, 2003.

POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

Breakdown of average student's workload

	Hours	ECTS
Total workload	60	2,0
Classes requiring direct contact with the teacher	30	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1]	30	1,0

---

[1] delete or add other activities as appropriate