



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Internship

Course

Field of study

Mathematics in Technology

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

3 / 6

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

120

Number of credit points

5

Lecturers

Responsible for the course/lecturer:

dr Leszek Wittenbeck

Responsible for the course/lecturer:

Prerequisites

1. Student has knowledge resulting from the implementation of the program of study for Mathematics in Technology.
2. Student knows the rules of the internship and the conditions of passing the internship.
3. Student has skills resulting from the implementation of the program of study for Mathematics in Technology.
4. Student has social competences resulting from the implementation of the program of study for Mathematics in Technology.

Course objective

The verification of the theoretical knowledge acquired during studies and to familiarize students with practical applications

Course-related learning outcomes

Knowledge

1. Student knows the application of the mathematical method in chosen scientific fields. - [K_W01] (P6S_WG)



2. Student has the regularized and theoretically based knowledge on the chosen science discipline by himself. - [K_W04, K_W05, K_W06, K_W07, K_W08]] (P6S_WG)

3. Student knows the basic knowledge about the current state, the latest development trends in the field of study. - [K_W11] (P6S_WG)

4. Students knows the ergonomic and the health and safety rules and the threats appearing in the company. - [K_W13] (P6S_WK)

Skills

1. Student can use mathematical tools and methods to solve the chosen engineering problem. - [K_U01, KU03] (P6S_UW)

2. Student can formulate the engineering problem, design algorithm, choose software, carry out the research and prepare documentation. - [K_U04, K_U05, K_U10, K_U11] (P6S_UW), [K_U12, K_U13] (P6S_UK)

3. Student follows health and safety rules when using a computer [KU_09] (P6S_UW)

4. Student can work individually and collectively; can estimate time spend on a project implementation [KU_14] (P6S_UO)

5. Student can plan and carry out the self-education. - [K_U15] (P6S_UU)

Social competences

1. Student is aware of a lifelong learning and improving his skills [K_K01, K_K02] (P6S_KK)

2. Student is aware of a social aspects of practical knowledge and its responsibility [K_K03] (P6S_KO), [K_K04] (P6S_KR)

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

The pass of the internship is based on:

1. The execution of the activities provided in the internship program.
2. The internship report confirmed by the university supervisor.
3. The certificate of the internship completion issued by the company.
4. The survey on the internship outcome

Programme content

The training in health and safety rules and fire regulations.

The familiarization with the applicable regulations and the terms of employment protection, state and official secrets.



The familiarization with the company structure.

The implementation of individual internship program.

The preparation of the internship report.

Teaching methods

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Bibliography

Basic

1. Regulamin organizacji praktyk studenckich objętych programem studiów na Wydziale Automatyki, Robotyki i Elektrotechniki Politechniki Poznańskiej.
2. Regulamin studiów pierwszego i drugiego stopnia oraz jednolitych magisterskich uchwalony przez Senat Akademicki Politechniki Poznańskiej (uchwała Nr 154/2016-2020 z dnia 24 kwietnia 2019r.)

Additional

1. Rozporządzenie Ministra Pracy i Polityki Socjalnej z dnia 26 września 1997 r. w sprawie ogólnych przepisów bezpieczeństwa i higieny pracy (Dz.U. 2003 nr 169 poz. 1650).

Breakdown of average student's workload

	Hours	ECTS
Total workload	135	5,0
Classes requiring direct contact with the teacher	15	0,5
Student's own work (practical activities) ¹	120	4,5

¹ delete or add other activities as appropriate