



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

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### Course

Field of study

Biomedical engineering

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

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### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

15

### Number of credit points

3

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### Lecturers

Responsible for the course/lecturer:

prof. Ewa STACHOWSKA

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tel. 61 663 32 30

Faculty of Mechanical Engineering

ul. Piotrowo 3, 60-965 Poznań

Responsible for the course/lecturer:



### Prerequisites

Knowledge transferred in the current educational process in the field of biomedical engineering

### Course objective

Preparation for an engineering thesis and synthesis of the acquired knowledge in biomedical engineering.

### Course-related learning outcomes

Knowledge

1. Expanded knowledge of biomedical engineering based on various sources of scientific information.
2. The student knows the basic tools for conducting scientific research in the field of biomedical engineering.

Skills

1. The student is able to review literature sources helpful to define particular tasks of an engineering diploma thesis.
2. The student can prepare and present a concise study the selected research topic.

Social competences

He is able to extend his knowledge by independently following scientific reports. Can exchange the acquired information in the research team. Can set priorities for the implementation of a task set by himself or others.

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture : 5-question test at the end of the semester.

Credit for a numerical grade on the basis of the presentation of the paper during the seminar, discussion of the issues presented and answers to the questions asked.

### Programme content

Presentation of fragments of engineering theses and issues of the diploma examination as well as discussions related to their subject. Discussion on obtaining information from literature, databases and other sources in the field of biomedical engineering, the need to respect the intellectual property of individual and team work.

### Teaching methods

Multimedia presentation, discussion.

### Bibliography



Basic

1. R. Wojciechowska: Przewodnik metodyczny pisania pracy dyplomowej, Wyd. DIFIN, Warszawa 2010
2. E. Opoka: Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych, Wyd. Politechniki Śląskiej, Gliwice 2001
3. Literature related to the subject of a given engineering thesis

Additional

1. Dobre obyczaje w nauce. Zbiór zasad i wytycznych (wyd. 3), Wyd. PAN Warszawa, 2001.

**Breakdown of average student's workload**

	Hours	ECTS
Total workload	75	3,0
Classes requiring direct contact with the teacher	40	1,6
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests, project preparation) <sup>1</sup>	35	1,4

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1 delete or add other activities as appropriate