

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 Pre-graduate seminar

Course

full-time

Field of study Biomedical engineering Area of study (specialization) -Level of study First-cycle studies Form of study

Year/Semester 3/6 Profile of study general academic Course offered in Polish Requirements ellective

Number of hours

Lecture 0 Tutorials 0 Number of credit points 1 Laboratory classes 0 Projects/seminars 15 Other (e.g. online) 0

Lecturers

Responsible for the course/lecturer: prof. Ewa STACHOWSKA email: ewa.stachowska@put.poznan.pl tel. 61 663 32 30 Faculty of Mechanical Engineering ul. Piotrowo 3, 60-965 Poznań

Responsible for the course/lecturer:

dr inż. Jakub GRABSKI e-mail: jakub.grabski@put.poznan.pl tel. 61 663 2321 Faculty of Mechanical Engineering ul. Piotrowo 3, 60-965 Poznań



POZNAN UNIVERSITY OF TECHNOLOGY

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

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:

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. Obtaining at least 50% of the points is required.

Programme content

Before the start of the 6th semester, students choose one of the two areas of diploma: Computer methods of design and analysis in biomedical engineering or Design and production in biomedical engineering.

Methodological basics of writing diploma theses.

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



POZNAN UNIVERSITY OF TECHNOLOGY

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

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	25	1,0
Classes requiring direct contact with the teacher	15	0,5
Student's own work (literature studies, preparation for	10	0,5
laboratory classes/tutorials, preparation for tests, project		
preparation) ¹		

¹ delete or add other activities as appropriate