COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma seminar [S2IBio1-IIiP>SD]

Course

Field of study
Biomedical Engineering

Year/Semester
2/3

Area of study (specialization)
Engineering of Implants and Prosthesis

Profile of study
general academic

Level of study
second-cycle

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
45

Number of credit points

3,00

Coordinators

dr inż. Jakub Grabski
jakub.grabski@put.poznan.pl

Lecturers

Prerequisites

Students should have basic knowledge covering key issues in the field of the first cycle biomedical engineering.

Course objective

Exchange of opinions and assessments on researches carried out as part of the diploma dissertation and on issues related to the course of studies applicable during the diploma examination. Familiarizing students with the process of editing a diploma thesis, ongoing supervision over the progress of the theses. Developing the ability to present the results of one"s own work.

Course-related learning outcomes

Knowledge:
Students have extented knowledge from the scope of biomedical engineering and on the integration scientific and technical information on the borderline of different research fields.
Students know the basic tools for carrying out scientific research in the field of biomedical engineering.

Skills:

Students are able to obtain and properly utilise information from literature to solve problems formulated in master"s theses.
Students are able to prepare and present a consise oral presentation in Polish on the results of one"s own studies.
Students are able to prepare and present an oral presentation in Polish on specific issues of biomedical engineering.
Students can properly utilise non-technical aspects for solving problems of biomedical engineering.
Students are able to plan and carry out experiments, computer simulations, interpret the obtained results and draw conclusions.

Social competences:
Students is able to widen the knowledge by scientific literature research, exchange acquired informations with the research team. Students think and work creatively. Students can set priorities aimed at realising scientific problems.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:
The knowledge is verified on the basis of the presentations of issues related to the diploma thesis and on the basis of the presentation of examination issues related to the course of study.

Programme content

Topics of diploma theses carring out by students, questions for diploma exam.

Course topics

Presentation of issues related to the diploma theses and discussion .
Elaboration and presentation of the diploma exam issues related to the field of study.

Teaching methods

Multimedia presentation

Bibliography

Basic
Majchrzak J., Mendel T., Metodyka pisania prac magisterskich i dyplomowych. Wyd. Akademii Ekonomicznej, Poznań, 1995.
Sydor M., Wskazówki dla piszących prace dyplomowe, Wydawnictwo Uniwersytetu Przyrodniczego W Poznaniu, 2014.
Additional
Żółtowski B., Jedliński R., Jazon A., Metodyka w okruchach. Seminarium dyplomowe. Metodyka pisania pracy dyplomowej. Bydgoszcz, 1994.
Żółtowski B., Seminarium dyplomowe - zasady pisania prac dyplomowych, ATR, Bydgoszcz 1997.
M. Sobczyk, Statystyka, Warszawa PWN 2015.

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,00
Classes requiring direct contact with the teacher	45	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	30	1,00