



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Biomedical signal processing [S1EiT1>PSB]

Course

Field of study

Electronics and Telecommunications

Year/Semester

4/7

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

full-time

Requirements

elective

Number of hours

Lecture

15

Laboratory classes

15

Other

0

Tutorials

0

Projects/seminars

0

Number of credit points

3,00

Coordinators

dr inż. Sławomir Maćkowiak

slawomir.mackowiak@put.poznan.pl

Lecturers

Prerequisites

none

Course objective

none

Course-related learning outcomes

Knowledge:

Has structured, mathematically based knowledge in the field of acquisition, perception through human, quality evaluation, processing, digital representations, compression and signal transmission image, speech and sound for applications in medical systems.

Skills:

He understands the technical conditions for data transmission, storage and presentation multimedia and is able to formulate appropriate basic requirements for the systems performing the functions of modern medical and diagnostic equipment.

Social competence:

He knows the limitations of his own knowledge and skills, understands the need for further training

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

none

Programme content

none

Course topics

none

Teaching methods

none

Bibliography

none

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,00
Classes requiring direct contact with the teacher	31	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	44	1,00