COURSE DESCRIPTION CARD - SYLLABUS

Course name
Introduction to Multimedia [S1EiT1>WdM]

Course

Field of study	Year/Semester
Electronics and Telecommunications	3/5
Area of study (specialization)	Profile of study
–	general academic
Level of study	Course offered in
first-cycle	Polish
Form of study	Requirements
full-time	compulsory

Number of hours

Lecture	Laboratory classes	Other (e.g. online)
45	30	0
Tutorials	Projects/seminars	
0	0	

Number of credit points

5,00

Coordinators	Lecturers
prof. dr hab. inż. Marek Domański marek.domanski@put.poznan.pl	

Prerequisites

Course objective

Course-related learning outcomes

Knowledge:
The student acquires knowledge covering the following elements: basic concepts of multimedia telecommunications, elements of multidimensional signal processing, perception and representation of images, vision, sound and speech, quantitative description of images and sounds, basics of vision and sound processing and compression, representation and compression of speech in telecommunications systems, introduction to searching for multimedia content, standardization in multimedia telecommunication.

Skills:
1. Using programming tools and electronic systems for the acquisition, processing, compression and presentation of images, vision and sound.

2. Solving simple problems in the field of multimedia techniques.
3. Using international standards for multimedia telecommunications, especially image, video and audio compression.

Social competence:
Understanding of economic and social conditions in the development of technology and the importance of standardization and the management of intellectual property rights in technical activity.

Methods for verifying learning outcomes and assessment criteria
Learning outcomes presented above are verified as follows:

Programme content
none

Course topics
none

Teaching methods
none

Bibliography
none

Breakdown of average student's workload

	Hours	ECTS
Total workload	125	5,00
Classes requiring direct contact with the teacher	90	3,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	35	2,00