



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Introduction to Multimedia [S1EiT1>WdM]

Course

Field of study

Electronics and Telecommunications

Year/Semester

3/5

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

full-time

Requirements

compulsory

Number of hours

Lecture

45

Laboratory classes

30

Other

0

Tutorials

0

Projects/seminars

0

Number of credit points

5,00

Coordinators

prof. dr hab. inż. Marek Domański
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Lecturers

Prerequisites

none

Course objective

none

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:

none

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