

Title Multimedia techniques and systems	Code 1018421910108410116
Field Electronics and Telecommunications	Year / Semester 5 / 9
Specialty Multimedia and Consumer Electronics	Course core
Hours Lectures: 2 Classes: 1 Laboratory: 2 Projects / seminars: -	Number of credits 8
	Language polish

Lecturer:

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Status of the course in the study program:

- Obligatory course for students of Electronics and Telecommunications, Multimedia and Consumer Electronics

Assumptions and objectives of the course:

- Students should obtain knowledge on multimedia systems and techniques

Contents of the course (course description):

- Image and video compression technology and standards, advanced video coding, SVC, MPEG-4, hybrid object coding, interactive multimedia systems, human face and body animation, MPEG-7, MPEG-21, DRM, stereovision, 3D vision, multiview video, image and retrieval systems, applications in telemedicine, video surveillance, interactive services.

Laoratory work includes partial implementation of systems.

Introductory courses and the required pre-knowledge:

- Compression and processing of multimedia signals, basic techniques and multimedia standards, digital signal processing

Courses form and teaching methods:

- Lecture with multimedia presentations, laboratory work

Form and terms of complete the course - requirements and assessment methods:

- Individual activity during classes,
- Written tests,
- Written examination (solving problems),
- Oral examination.

Basic Bibliography:

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Additional Bibliography:

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