



The Faculty of:	Electrical and Computer Engineering
Field of study:	Electronic and telecommunication
Speciality:	TDU
Study degree (BSc, MSc):	Eng.

COURSE UNIT DESCRIPTION

Course title:	Multimedia devices
Lecturer responsible for course: Bogdan Kwolek, Assoc. Prof.	
Contacts: phone: 1592	e-mail: bkwolek@prz-rzeszow.pl
Department : Department of Electrical Engineering and Informatics	

Semester	Weekly load	Type of classes				Number of ECTS credits
		L Lectures	C Theoretical Classes	Lb Laboratory	P Project	
7		30		15		3

Course description
<p>Lecture: Computer devices, peripheral devices of desktop computers, peripheral devices of notebooks, peripheral devices of mobile devices. Devices for presentation and processing of sound and images. Mobile multimedia devices. Standard IEEE 1394. Devices for transmission of multimedia streams. Wireless multimedia devices. WiFi-based multimedia devices. Network multimedia devices, video-servers. . Interactive multimedia devices. Systems of control of audio-video devices. Video-conference systems. Interactive multimedia kiosks. Control of multimedia devices using natural language. Human-machine-interaction. Compression of multimedia streams and its hardware realization. Programming of multimedia devices. Programming of multimedia devices in Java language. Java Micro Edition. Java Media Framework.</p>
<p>Classes:</p>
<p>Laboratory: Compression of multimedia streams. Java Micro Edition. Java Media Framework.</p>
<p>Project:</p>

--

Objectives of the course

The objective of the course is to present some multimedia devices that are widely used to convert, to store, to process as well as to transmit multimedia streams.
--

Examination method

Written examination.

Bibliography

Lecturer signature	
Head of Department signature	
Dean signature	