Poznan University of Technology
Faculty of Electrical Engineering

European **C**redit **T**ransfer **S**ystem

Title **Multimedia systems**	Code **1010331471010330670**
Field **Computer science**	Year / Semester **4 / 7**
Specialty **Informatics technology**	Course **core**
Hours Lectures: **1** Classes: **-** Laboratory: **-** Projects / seminars: **1**	Number of credits **5**
	Language **polish**

Lecturer:

prof. dr hab. inż. Czesław Jędrzejek
Instytut Automatyki i Inżynierii Informatycznej
tel. 665 3532, fax. 665 3715
e-mail: czeslaw.jedrzejek@put.poznan.pl

Faculty:

Faculty of Electrical Engineering
ul. Piotrowo 3A
60-965 Poznań
tel. (061) 665-2539, fax. (061) 665-2548
e-mail: office_deef@put.poznan.pl

Status of the course in the study program:

Obligatory course for Internet technologies specialization.

Assumptions and objectives of the course:

Familiarize students with technologies, protocols and multimedia applications used in Internet.

Contents of the course (course description):

Topics of lectures:
1.   Information and communication technology trade: current status, implementations and predictions. Broadband services: video conferences, e-learning, telework, video on demand, streaming.
2.   Streaming protocols.
3.   Data in Internet: Dokument Object Model, JavaScript, Ajax. Basic graphical protocols ? SVD.
4.   Virtual reality, Web3D.
5.   Application protocols: DOI (digital libraries), IMS (e-learning).

Topics of laboratory exercises:
1.   Internet application with the use of JavaScript language.
2.   JQuery and MooTools libraries in JavaScript applications.
3.   SVG application.
4.   Graphical animation in SVG.
5.   Use of the Ajax technology in Internet application.

Introductory courses and the required pre-knowledge:

Basic knowledge about computer networks.

Courses form and teaching methods:

Lectures, laboratories.

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

Examination.

Basic Bibliography:

-

http://www.put.poznan.pl/

Additional Bibliography:

-