

Title Internet Technologies	Code 1010331471010330669
Field Computer science	Year / Semester 4 / 7
Specialty Informatics technology	Course core
Hours Lectures: 1 Classes: - Laboratory: 1 Projects / seminars: 1	Number of credits 7
	Language polish

Lecturer:

dr inż. Jolanta Cybulka
Instytut Automatyki i Inżynierii Informatycznej
tel. 0-61 6653724
e-mail: jolanta.cybulka@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, Faculty of Electrical Engineering, field Computer Science, speciality Information Technologies.

Assumptions and objectives of the course:

-The description of standards to represent data in the repositories of Internet information systems. The newest trends in the WWW net.
The implementation of an Internet application, done by students.

Contents of the course (course description):

-Internet information system: the notion, elements of the architecture (data repository, user interface and business logic), architecture typology and architecture-based classification of systems. Data representation and processing within the Web: markup languages (SGML and its descendants: HTML and the XML family of languages) and their application profiles. WWW net generations: static net, dynamic net, interactive Web 2.0, semantic net and the interactive semantic Web 3.0. Semantic Web: the idea, development methods and tools, and applications. Web meta-data standards: RDF and RDFS, ontologies. Ontology classification criteria and typology. OWL ontological language, methods and tools of its processing.

Introductory courses and the required pre-knowledge:

-Fundamentals of networking, programming and business application modelling via CASE/RAD systems.

Courses form and teaching methods:

-Lectures illustrated with slides, laboratory and project classes.

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

-Written test (lecture). Presentation of implemented applications and preparing written documentation (project and laboratory classes).

Basic Bibliography:

-

Additional Bibliography:

-

