Poznan University of Technology
Faculty of Electrical Engineering

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

Title	Code
Applications of information technologies	**1010331471010330672**

Field	Year / Semester
Computer science	**4 / 7**

Specialty	Course
Informatics technology	**core**

Hours	Number of credits
Lectures: **1** Classes: **-** Laboratory: **-** Projects / seminars: **1**	**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:

> Presentation of the most important trends in software applications exploitation.

Contents of the course (course description):

> 1. ERP and CMS systems.
> 2. ITIL (Information Technology Infrastructure Library) - set of concepts and policies for managing Information Technology.
> 3. ITIL in version 3 (year 2007), version 2 (year 2005).
> 4. Software testing.
> 5. Concepts representation with formalize knowledge, storing and processing of semi-structured data. Graph pattern mining.
> 6. How to build an applications with knowledge engineering and semantic reasoning.
> 7. Current status of knowledge engineering software.
>
> Project:
> Software tool which should utilize knowledge engineering and Open Source software:
>   a. Lucene, lucene.apache.org/java/docs/index.html
>   b. UIMA, Unstructured Information Management Architecture, domino.research.ibm.com/comm/research_projects.nsf/pages/uima.index.html
>   c. IBM/Yahoo Omnifind, omnifind.ibm.yahoo.net/sitesearch.php, http://www.oasis-open.org/committees/download.php/28492/uima-spec-wd-05.pdf

Introductory courses and the required pre-knowledge:

> Programming in Internet, XML, RDF.

Courses form and teaching methods:

> Lectures, Project.

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

> Test.

Basic Bibliography:

-

Additional Bibliography:

-