POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

COURSE DESCRIPTION CARD - SYLLABUS

Course name
Introduction to ICT networks [S1EiT1>WdST]

Course

Field of study	Year/Semester
Electronics and Telecommunications	1/1
Area of study (specialization)	Profile of study
–	general academic
Level of study	Course offered in
first-cycle	polish
Form of study	Requirements
full-time	compulsory

Number of hours

Lecture	Laboratory classes	Other (e.g. online)
15	15	0
Tutorials	Projects/seminars	
0	0	

Number of credit points

4,00

Coordinators

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Lecturers

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Prerequisites

Basic knowledge of PC and the internet on the secondary school level.

Course objective

The course aims at providing basic information devoted to the beginning, development and functioning of the Internet, introduces the most important Internet services and teaches how to use them efficiently. The basic terms related to the information networks are introduced and explained.

Course-related learning outcomes

Knowledge:
Knows and understands the basic technical meaning of the terms describing telecommunication and computer networks.

Knows important internet services and is aware of internet threats.

Skills:
Is able to design www pages, using appropriate programming languages.
Can use computers running UNIX-like operating systems.

Social competences:
Is aware of the impact electronics and ICT systems and networks will have on the development of the information society.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:
Lecture: finale test consisting of 20-30 single-choice questions, 50% of the total number of points necessary to pass
Laboratory classes: continuous evaluation of tasks assigned by the teacher, evaluation of final project; final grade calculated as an average of all partial grades in the range 2-5 (D-A)

Programme content

Lectures:
1.Introduction to the Internet.
2.World Wide Web. Searching the Internet.
3.Unix OS and computer networks.
4.Other Internet services and their applications.
5.Local area networks - introduction.
6. Internet Security.
Laboratory exercises:
1.HTML basics.
2.CSS and forms.
3.XML - introduction.
4.Basic unix/linux commands.

Teaching methods

Lecture: multimedia presentation
Laboratory classes: exercises using PC, student projects assigned by the teacher

Bibliography

Basic
Prawdziwa histori@ Internetu / Marek Pudełko
Internet : daj się złapać w sieć! / Maria Sokół, Piotr Rajca
HTML5 : programowanie aplikacji / Zachary Kessin
Po prostu UNIX / Maciej Kaniewski, Krzysztof Wieremiejczyk
Additional
Bądź bezpieczny w cyfrowym świecie : poradnik bezpieczeństwa IT dla każdego / Marcin Pieleszek

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,00
Classes requiring direct contact with the teacher	40	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	60	2,00