



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Introduction to ICT networks

Course

Field of study

Electronics and Telecommunications

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

1/1

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

Number of hours

Lecture

15

Laboratory classes

15

Other (e.g. online)

Tutorials

15

Projects/seminars

Number of credit points

4

Lecturers

Responsible for the course/lecturer:

dr hab. inż. Rafał Krenz

Responsible for the course/lecturer:

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61 6653912

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:

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	4,0
Classes requiring direct contact with the teacher	40	2,0
Student's own work (literature studies, preparation for laboratory classes, project preparation, preparation for the test) ¹	60	2,0

¹ delete or add other activities as appropriate