



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Introduction to ICT networks [S1EiT1>WdST]

### Course

Field of study

Electronics and Telecommunications

Year/Semester

1/1

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

full-time

Requirements

compulsory

### Number of hours

Lecture

15

Laboratory classes

15

Other (e.g. online)

0

Tutorials

0

Projects/seminars

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:

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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.

### Course topics

none

### 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