STUDY MODULE DESCRIPTION FORM

Name of the module/subject	Code
Social and professional aspects of computer science	**1010334541010334963**

Field of study	Profile of study (general academic, practical)	Year /Semester
Information Engineering	**(brak)**	**2 / 4**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
-	**Polish**	**obligatory**

Cycle of study:	Form of study (full-time,part-time)
First-cycle studies	**part-time**

No. of hours	No. of credits
Lecture: **-** Classes: **8** Laboratory: **-** Project/seminars: **-**	**1**

Status of the course in the study program (Basic, major, other)	(university-wide, from another field)
(brak)	**(brak)**

Education areas and fields of science and art	ECTS distribution (number and %)
social sciences	**1 100%**

Responsible for subject / lecturer:

dr inż. Tomasz Bilski
email: tomasz.bilski@put.poznan.pl
tel. 061 66 53 554
Faculty of Electrical Engineering
ul. Piotrowo 3A 60-965 Poznań

Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Basic knowledge learnt at high school.
2	**Skills**	Student is able to find information from professional literature, databases and other sources; he/she can integrate and correctly interpret the gained information and then to conclude and formulate his/her own opinions.
3	**Social competencies**	Student understands a need to learn constantly, including improvement of using foreign languages and other professional and social competencies.

Assumptions and objectives of the course:

Presentation of social and legal aspects concerning software project development and its applications in practice. Then discussing the presented aspects.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Student has basic knowledge concerning non-technical aspects and conditions of various activities in engineering, especially in computing. This knowledge includes principles of safety in computing at work. - [K_W21]

2. Student has basic knowledge concerning intellectual property, legal protection of personal data, and issues concerning contracts (solutions written in the civil code). - [K_W22]

Skills:

1. Student can recognize correctly non-technical aspects of engineering solutions. He/she knows and understands legal rules and obligations concerning authors - [K_U21]

2. Student can apply in practice the priciples of safety at work. - [K_U23]

Social competencies:

1. Student is aware of his/her social role in the future - he/she understands the need to transfer any information concerning development in computing in a comprehensive form which enables the cooperation with software users. - [K_K06]

2. Student is aware of an importance of his/her professional behaviour, observation of legal rules including ethical aspects of computing. The last include a respect of different opinions and cultures. - [K_K03]

Assessment methods of study outcomes

An open test takes place in the last week of the semester.

Course description

Introduction
Legal and standard issues of IT systems
Ergonomics, ecology
Data security issues
Computer engineer duties, responsibility and rights
e-government
social aspects of IT and Internet

Basic bibliography:

1. Sara Baase, A Gift of Fire: Social, Legal, and Ethical Issues for Computing Technology, Prentice Hall, 2012
2. Bruce Schneier, Data and Goliath: The Hidden Battles to Collect Your Data and Control Your World, 2015

Additional bibliography:

1. William Davidow, Overconnected: The Promise and Threat of the Internet, 2012

Result of average student's workload

Activity	Time (working hours)
1. Participation in classes	8
2. Preparation to announced discussions	15
3. Consultations and test	4

Student's workload

Source of workload	hours	ECTS
Total workload	30	1
Contact hours	12	0
Practical activities	0	0