

# SYLLABUS FOR 2023/2024 ENROLMENT

## FORM OF STUDY: FULL-TIME PROGRAMME

### GENERAL INFORMATION

**1. Course** Social and professional issues of computer science

**2. Field of study** Computer Science

**3. Level of acquired education** first-cycle programme

**4. Number of ECTScredits** 2

**5. Number of hours per semester**

semester	lecture	classes	laboratory/foreign language course	project/practical classes	internship
I	15	15			

**6. Language of instruction:** English

**7. Lecturer** dr Dawid Błaszczak, mgr inż. Zofia Lubańska

### DETAILED INFORMATION

**8. Preliminary requirements**

Proficiency in the Polish language

**9. Course objectives**

C1 To introduce the student to elementary knowledge of social, professional, ethical and legal aspects connected with IT profession.

C2 To make the student aware how important is not only the knowledge but also the ability to apply social, ethical, legal and economic knowledge in the IT profession.

C3 To prepare for performing the profession of a computer scientist taking into account the social and professional aspects discussed during classes.

**10. Field-specific learning outcomes in terms of knowledge, skills and social competences**

A student who completed the course:	reference to field-specific learning outcomes
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#### KNOWLEDGE

EU01 Knows and understands the range of concepts and other didactic contents related to the IT profession, including business activity, its conditions and rules of activity management, generally accepted rules of safety and hygiene at work, etc;

K\_W17

EU02 Knows and understands the rules binding in the IT profession, including legal, ethical or socio-economic provisions, including elementary provisions of labour law or copyright law;

K\_W17

#### SKILLS

EU03 Is able to perceive the basic environmental, legal and socio-economic aspects necessary in IT profession;

K\_U18

#### SOCIAL COMPETENCES

EU04 Is ready to practice the profession of computer science based on learned social and professional principles, including the ethics of the computer science profession;

K\_K04

**11. Course content**

**Course delivery method** – lectures/classes

Lectures:

1. Computer science as a science. Beginnings of computer science, evolution, present.
2. Protection of personal data. Crimes against data protection.
3. Legal protection of intellectual property. Copyright.

4. Enterprises and undertakings in informatics. The risk of undertakings in informatics.
5. IT professions and labour market - challenges and expectations. Professions and education.
6. Legality of software, patents, licenses. Institutions controlling IT activity. Selected computer crimes.
7. Ethics in computer science and IT professions.
8. Pathologies and threats in professional environment of IT specialist - discrimination, mobbing, social-vocational exclusion. Pathologies and threats in the light of labour law.
9. Employment and remuneration vs. labor code.
10. Occupational disease - definition and procedure of diagnosing occupational disease. Problems of occupational disease and the labour law.

#### Classes:

1. Social context of computer science - ergonomics of computer science work. Diseases and hazards in the profession of computer scientist.
2. The place of IT in the economy based on knowledge.
3. IT professions of the future. IT versus challenges and social expectations.
4. Codes in the work of IT specialist. The responsibility in the profession of IT specialist.
5. Labour law - basic aspects.
6. Discrimination in the light of labour law.
7. The remuneration and the labour code.
8. Dematerialisation and deconcentration on the labour market.

#### **12. Teaching tools and methods**

1. Lecture in the form of a multimedia presentation

3. Discussion and explanation

5. Office hours

#### **13. Assessment methods( component, final)**

1. Graded credit

#### **14. Student workload**

Form of activity	Number of hours
1. Classes with direct participation of the teacher and office hours	40
2. Student workload	10
sum	50
number of ECTS credits	2

#### **15. Reference books**

##### Primary

1) M. Cieciora, Wybrane problemy społeczne i zawodowe informatyki, Warszawa 2012.

2) E. Tomaszewska, BHP w zakładach pracy, Warszawa 2014.

3) K. Czub, Prawa osobiste twórców dóbr niematerialnych: zagadnienia konstrukcyjne, Warszawa 2011.

##### Secondary:

1) K. Gonet, Prawo pracy i ubezpieczeń społecznych, Warszawa 2011.

2) G. Ignatowski i inni, Oblicza patologii zawodowych i społecznych, Warszawa 2015.

3) G. Myśliwiec, Etyka gospodarcza i zawodowa + 28 przypadków, Warszawa 2013.

#### **16. Assessment forms - details**

##### **The course ends with a graded credit.**

The basis for passing the lectures is the positive assessment of the final test. Maximum duration of the test - 15 min, The test consists of open and closed questions. The condition to get a positive mark is to obtain more than 50% correct answers.

On the basis of the points obtained in the above tasks, a grade is given at the end of the semester.

**Methods of verifying the learning outcomes:**

Knowledge: written test;

Skills: analysing, diagnosing and interpreting social and professional processes in informatics with the attempt of possible formulation and practical activities;

Social competences: discussing, participating in a debate, presenting opinions, developing readiness to act in the social and professional environment.

**17. Other details concerning the course**

1. Direct information about the issues of classes and a program content is provided by the teacher during classes and during office hours.

2. Classes will be held at AB in Biała Podlaska

3. Classes will be held in accordance with the current schedule

4. Office hours will be held in accordance with the applicable schedule