**1. Course title:** Social and Professional Challenges of Computer Science

**2. Course code:** SaPCoCS

**3. Validity of course description:** 2012/2013

**4. Level of studies:** 1st cycle / 2nd cycle of higher education

**5. Mode of studies:** intramural studies / extramural studies

**6. Field of study:** MACRO COURSE

**AEI**

**7. Profile of studies:**

**8. Programme:**

**9. Semester:** 7

**10. Faculty teaching the course:** AEI

**11. Course instructor:** Jacek Frączek

**12. Course classification:**

**13. Course status:** compulsory / elective

**14. Language of instruction:** English

**15. Pre-requisite qualifications:** none

**16. Course objectives:**

The aim of the course is to provide basic knowledge in the following areas:

- Professional and Ethical Responsibility
- Ethical Codes and Codes of Conduct
- Computer Systems Risks and Responsibilities
- Intellectual Property Rights: Legal Issues and Regulations, Patents
- Fundamentals of Privacy

**17. Description of learning outcomes:**

<table>
<thead>
<tr>
<th>Nr</th>
<th>Learning outcomes description</th>
<th>Method of assessment</th>
<th>Teaching methods</th>
<th>Learning outcomes reference code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Students know about professional and ethical responsibility of the employee</td>
<td>Written assessment</td>
<td>Lecture</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Students know about the codes of ethics and codes of conduct</td>
<td>Written assessment</td>
<td>Lecture</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Students know about the risks associated with the use of systems, and the responsibility of creating, managing and using IT systems</td>
<td>Written assessment</td>
<td>Lecture</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Students know about the issues related to intellectual property rights</td>
<td>Written assessment</td>
<td>Lecture</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Students know about the issues related to the protection of privacy and personal data</td>
<td>Written assessment</td>
<td>Lecture</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Students are aware of the importance and understanding of the effects of non-technical aspects and engineering activities, including its impact on the environment, and consequently the responsibility for decisions.</td>
<td>Written assessment</td>
<td>Lecture</td>
<td></td>
</tr>
</tbody>
</table>

7.

8.

18. **Teaching modes and hours**

Lecture / BA / MA Seminar / Class / Project / Laboratory

Lecture – 30h
19. Syllabus description:

Lecture topics:
- Professional and Ethical Responsibility
- Ethical Codes and Codes of Conduct
- Computer Systems Risks and Responsibilities
- Intellectual Property Rights: Legal Issues and Regulations, Patents
- Fundamentals of Privacy

20. Examination: –

21. Primary sources:
- ACM Code of Ethics and Professional Conduct: http://www.acm.org/about/code-of-ethics

22. Secondary sources:
- Daniel J. Solove: Understanding Privacy, 2010

23. Total workload required to achieve learning outcomes

<table>
<thead>
<tr>
<th>Lp.</th>
<th>Teaching mode :</th>
<th>Contact hours / Student workload hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lecture</td>
<td>30/0</td>
</tr>
<tr>
<td>2</td>
<td>Classes</td>
<td>/</td>
</tr>
<tr>
<td>3</td>
<td>Laboratory</td>
<td>/</td>
</tr>
<tr>
<td>4</td>
<td>Project</td>
<td>/</td>
</tr>
<tr>
<td>5</td>
<td>BA/ MA Seminar</td>
<td>/</td>
</tr>
<tr>
<td>6</td>
<td>Other</td>
<td>5/25</td>
</tr>
</tbody>
</table>

Total number of hours: 35/25

24. Total hours: 60

25. Number of ECTS credits: 2

26. Number of ECTS credits allocated for contact hours: 1

27. Number of ECTS credits allocated for in-practice hours (laboratory classes, projects): 0

26. Comments: –

Approved:

........................................................................................................................................
(date, Instructor's signature)  ..................................................................................................
(date, the Director of the Faculty Unit signature)