

**East West University**  
**Department of Computer Science and Engineering**  
**CSE498 – Social and Professional Issues in Computing**  
**Course Outline for Spring 2017**

### Course Information

**Course Code:** CSE498

**Course Title:** Social and Professional Issues in Computing

**Credit:** 3+0=3 Credits, Prerequisite: None

**Lecture:**     **Section 1:** 13:30 – 15:00 (SR), Room: 335

**Section 2:** 15:10 – 16:40 (MW), Room: 115

### Instructor Information

**Instructor:** Rashedul Amin Tuhin

*M.Sc. in Network Services and Systems, KTH, Sweden.*

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 East West University.

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**Course website:** <http://rt.gnomio.com>

Office Hours	10:10 - 11:40	11:50-13:20	13:30-15:00	15:10-16:40
Sunday (S)		<b>Office Hour</b>	CSE498-1 R#335	<b>Office Hour</b>
Monday (M)			<b>Office Hour</b>	CSE498-2 R#115
Tuesday (T)		CSE101-10 LAB R#533	<b>Office Hour</b>	CSE101-4 LAB R#529
Wednesday (W)			<b>Office Hour</b>	CSE498-2 R#115
Thursday (R)	<b>Office Hour</b>	CSE101-10 LAB R#529	CSE498-1 R#335	CSE101-4 R#822

### Course Outcome (CO)

At the end of the course, students should be able

- i. To identify social, professional, and ethical issues of computing.
- ii. To explain social, professional, and ethical issues of computing.
- iii. To analyze cases to figure out potential issues.
- iv. To apply the plan of actions on cases according to different ethical views.

## Course Contents and Teaching Schedule

Week	Lecture/Lab/Assignment Topic	References/Teaching Materials/Equipment
1	Introduction, registration and enrolment Overview of the course, Identifying the social and ethical issues related to computing and the solutions	See main references
2	Risks of technology, privacy and personal information,	As the above
3	Surveillance, safety and security	As the above
4	Consumer Information	As the above
5	Principles for data collection and use	As the above
6	<b>Mid Term I Exam, Seminar I</b>	
7	Freedom of Speech, Intellectual property	As the above
8	Personal health and medical information, Public records: Access vs. Privacy	As the above
9	Challenging Old Regulatory Paradigms and Special Interests, Spam Computer Crime	As the above
10	<b>Mid Term II Exam, Seminar II</b>	
11	Hacktivisim and security	As the above
12	Fraud, sabotage and forgery	As the above
13	Computers at work: Professional ethics and responsibilities	As the above
14	Rights	As the above
15	<b>Final Exam</b>	

## Exam Dates:

Exam	Section 1	Section 2
Mid Term I	*February 16, 2017	*February 15, 2017
Mid Term II	*March 16, 2017	*March 15, 2017
Final	*April 20, 2017	*April 19, 2017

*\*All the dates are tentative and may change with prior notice*

## Learning Outcomes

- **Knowledge and understanding**
  - Identify and analyze the social, ethical and professional issues.
- **Cognitive skills (thinking and analysis)**
  - Critically assess, argue and defend the moral, legal and social dimensions involved with computers.
  - Judge the morality of behaviours and critically assess the impacts of computer related legislation and rules on systems, organizations, individuals, communities and societies.
  - Defend or attack a wide range of moral and/or legal standpoints involving the use of computers.
- **Communication skills (personal and academic)**
  - An individual assignment (demonstration and presentation) involves writing effective reports and designing documentation, making effective presentations, and giving and receiving clear instructions.
  - Group assignments and projects (to be done in a group) - where students will be assessed in terms of their effectiveness as individual or leader in a team.
- **Practical and subject specific skills**
  - Make ethical and reflective choices involving the use of computers.
  - Act upon legal issues and constraints related to computing.
  - Apply appropriate frameworks, methods and theories to independently research new and emerging issues relating to legal, ethical and social dimensions of computing.

## Teaching Materials/ Equipment

**Textbook:** S. Baase, *A gift of fire: Social, legal, and ethical issues for computing technology (4th edition)*, Boston, MA, United States: Prentice Hall, 2012.

### Reference:

1. A. Adams and R. J. McCrindle, *Pandora's box: Social and professional issues of the information age*. Chichester, England: Wiley, John & Sons, 2008.
2. J. M. Kizza, *Ethical and social issues in the information age, 5th ed*. London: Springer-Verlag New York, 2013.

**Teaching Materials:** Lecture Notes\*, Research articles, Contemporary online resources.

**Teaching-Learning Method:** Interactive lecture sessions and discussions, Assignments, Case studies and Term Projects.

*\*Lecture and Lab Notes that are required for the course will be delivered during class.*

## Projects, Seminars and Case study Guidelines

The students are required to conduct several case studies and a "complex and complete" project in this course, which should address the learning outcomes. The outcomes of the project should be delivered in the forms of report, poster presentation

and interactive seminar sessions. Seminar sessions and the term project is mandatory for every students in the form of team consisting of not more than five. The topics should be proposed by the groups and must be approved by the instructor prior to the actual commencement.

Please note that it is **mandatory to pass** (achieve at least 60% marks) **separately** in the **seminars** and **term project**. Else, the failing grade "F" will be assigned as the **overall grade** of the course. Detailed guideline of the term project will be published in due time.

## Evaluation and Grading Policy

The relative contributions of exams, assignment, and lab work are as follows:

- Attendance (5%)
- Case with report and seminars\* 10%)
- Mid-I Exam (15%)
- Mid-II Exam (20%)
- Final Exam (25%)
- Term Project\* (25%) (Poster 5% and report 20%)

*\* Seminars and Term project must be passed in order to pass the course.*

## Student Learning Time (SLT)

Student Learning Time (SLT) can be divided into: Face to Face (36 hours), Guided Learning (06 hours), Independent Learning (72 hours) and Assessment (06 hours). The detailed breakdown is as follows:

No.	Teaching and learning activities	Student learning time (SLT)
1.	Lecture	36 hours (3 hours x 12 weeks)
2.	Seminars	6 hours (1.5 hours x 4 sessions)
3.	Review lesson after lecture (includes preparation for final exams)	36 hours (3 hours x 12 weeks)
4.	Student's preparation for seminars	18 hours (1.5 hours x 12 weeks)
5.	Carry out Assignments/Case studies	18 hours (1.5 hours x 12 weeks)
6.	Carry out Mid Term and Final Exams	4.5 hours
7.	Poster presentation for the project	1.5 hours
<b>TOTAL SLT</b>		120 hours
<b>CREDIT = SLT/40</b>		4.0

Note: 40 notional hours = 1 credit

### Details:

- Homework/Assignment: must be done in group of 3 (the same group as the project), **STRICTLY NO COPYING** from other groups.

- **Late assignments suffer a penalty rate of 20% per day, up to 5 days (weekends count towards the 5 days).** Assignments that are more than 5 days late are penalized by 100%.
- **Failing Grade:** Plagiarism, absenteeism, lack of preparation, and lack of effort will result in a failing grade.

## Grading System

Marks (%)	Letter Grade	Grade Point	Marks (%)	Letter Grade	Grade Point
97-100	A+	4.00	73-76	C+	2.30
90-96	A	4.00	70-72	C	2.00
87-89	A-	3.70	67-69	C-	1.70
83-86	B+	3.30	63-66	D+	1.30
80-82	B	3.00	60-62	D	1.00
77-79	B-	2.70	Below 60	F	0.00

## Academic Code of Conduct

### Academic Integrity

Any form of cheating, plagiarism, personation, falsification of a document as well as any other form of dishonest behaviour related to obtaining academic gain or the avoidance of evaluative exercises committed by a student is an academic offence under the Academic Code of Conduct and **may lead to severe penalties up to and including suspension and expulsion.**

## Special Instructions

- Students are expected to attend all classes, labs and examinations.
- Students will not be allowed to enter into the classroom after 20 minutes of the starting time.
- For plagiarism, the grade will be automatically become zero for that exam/assignment.
- There will be **NO make-up examinations**. In case of emergency, you **MUST** inform me within 24 hours of the exam time. Failure to do so will mean that you are trying to take UNFAIR advantage and you will be automatically disqualified. Also proper medical certificate (if applicable) has to be presented on the next class you attend.
- You **MUST** have at least 80% class attendance to sit for the final exam.
- All mobile phones **MUST** be turned to silent during class, lab and exam period.
- There is **zero tolerance for cheating** at EWU. Students caught with cheat sheets in their possession, whether used or not used, &/or copying from cheat sheets, writing on the palm of hand, back of calculators, chairs or nearby walls, etc. would be treated as cheating in the exam hall. The only penalty for cheating is expulsion from EWU.