

Course Form for PKU Summer School International 2018

Course Title	Computer Ethics
	计算机伦理学
Teacher	Steve Cooper, Junlin LU
First day of classes	July 23, 2017
Last day of classes	August 3, 2017
Course Credit	2 credits
Course Description	
Objective	
<p>Computer ethics is a very important topic for all students and professionals in computer-related areas. This course focuses on computer ethics, including ethical and social issues related to the development and use of computer technology. The main topics include ethical theory, and social, political, and legal considerations. It covers scenarios in problem areas: privacy, reliability and risks of complex systems, and responsibility of professionals for applications and consequences of their work.</p>	
Pre-requisites /Target audience	
Undergraduate Students and Graduate Students	
Proceeding of the Course	
Assignments (essay or other forms)	
Reading, Research Project and Report	
Evaluation Details	
Attendance: 20% Debate: 20% Paper: 30% Research Project: 30%	
Text Books and Reading Materials	
1. Computer Ethics: A Global Perspective, Giannis Stamatellos, Jones & Bartlett, 2007.	

2. Computer Ethics (4th edition), Deborah G. Johnson, Pearson, 2009.
3. A Gift of Fire: Social, Legal, and Ethical Issues for Computing Technology (4th edition), Sara Baase, Pearson, 2012.
4. 火的礼物：人类与计算技术的终极博弈(第四版), Sara Baase (郭耀译), 电子工业出版社, 2015.

Academic Integrity (If necessary)

CLASS SCHEDULE

(Subject to adjustment)

Session 1: *Course Introduction and Arrangement*

Date:7/23

【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Introduction of the course and the arrangement for next ten days.

【Questions】

【Readings, Websites or Video Clips】

【Assignments for this session (if any)】

Session 2: *Information Security*

Date:7/23

【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Information security in today's world and how to solve it.

【Questions】

【Readings, Websites or Video Clips】

【Assignments for this session (if any)】	
Session 3: <i>software reliability</i>	Date:7/23
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Are the software we are using in our daily lives safe? Give safety analysis of software.	
【Questions】	
【Readings, Websites or Video Clips】	
【Assignments for this session (if any)】	
Session 4: <i>Risks of Computer</i>	Date:7/24
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Give the analysis of computer-related risks.	
【Questions】	
【Readings, Websites or Video Clips】	
【Assignments for this session (if any)】	
Session 5: <i>The Philosophical Basis of Ethics</i>	Date:7/24
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Describe the philosophical foundation of ethics. Introduce the concept of ethics.	

【Questions】	
【Readings, Websites or Video Clips】	
【Assignments for this session (if any)】	
Session 6: <i>Computer Ethics</i>	Date:7/25
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Introduce the relationship between computer and ethics.	
【Questions】	
【Readings, Websites or Video Clips】	
【Assignments for this session (if any)】	
Session 7: <i>Computing and economics</i>	Date:7/25
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Introduce the relationship between computing and economy.	
【Questions】	
【Readings, Websites or Video Clips】	
【Assignments for this session (if any)】	

Session 8: <i>Intellectual Property</i>	Date:7/26
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Introduce some relevant laws, Intellectual Property.	
【Questions】	
【Readings, Websites or Video Clips】	
【Assignments for this session (if any)】	
Session 9: <i>Hacking</i>	Date: 7/26
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Introduce the Hacker Technology.	
【Questions】	
【Readings, Websites or Video Clips】	
【Assignments for this session (if any)】	
Session 10: <i>Policy Problem: Data Leakage</i>	Date: 7/27
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) There is a policy problem, which is Data Leakage.	
【Questions】	

【Readings, Websites or Video Clips】	
【Assignments for this session (if any)】	
Session 11: <i>Monopoly Power</i>	Date: 7/27
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) What is a monopoly and how it works.	
【Questions】	
【Readings, Websites or Video Clips】	
【Assignments for this session (if any)】	
Session 12: <i>Internet History and Culture</i>	Date: 7/30
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Introduce the history and culture of the internet.	
【Questions】	
【Readings, Websites or Video Clips】	
【Assignments for this session (if any)】	
Session 13: <i>Freedom of Speech on The Internet</i>	Date: 7/30

【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) The internet is open for everyone, is it completely freedom of speech on it?

【Questions】

【Readings, Websites or Video Clips】

【Assignments for this session (if any)】

Session 14: *Privacy Right*

Date: 7/31

【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) What is Privacy Right? What is invasion of privacy?

【Questions】

【Readings, Websites or Video Clips】

【Assignments for this session (if any)】

Session 15: *Mathematical Gap*

Date: 7/31

【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Introduce the Mathematical Gap.

【Questions】

【Readings, Websites or Video Clips】

【Assignments for this session (if any)】	
Session 16: <i>Computer and Education</i>	Date: 8/1
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Introduce the relationship between computer and education.	
【Questions】	
【Readings, Websites or Video Clips】	
【Assignments for this session (if any)】	
Session 16: <i>Group Debate</i>	Date: 8/2
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Students participate in terms and debate in groups.	
【Questions】	
【Readings, Websites or Video Clips】	
【Assignments for this session (if any)】	
Session 16: <i>Project Report</i>	Date: 8/3
【Description of the Session】 (purpose, requirements, class and presentations scheduling, etc.) Students give a presentation to report their project.	

【Questions】

【Readings, Websites or Video Clips】

【Assignments for this session (if any)】