

Curriculum Map

Course #: CIS 1205 Subject: Technology Ethics

Course Outcomes (upon completion of this course, a student will be able to):

1. Recognize the ethical issues associated with technology.
2. Recognize ethical issues regarding technology in their private and professional lives and realize that ethical problems are typically far from having a “unique” or “optimal” solution.
3. Demonstrate a basic understanding of social ethics in relation to emerging web-based technologies.
4. Describe how culture shapes and is shaped by developing technologies.
5. Perform ethical analyses and communicate them in writing, on Web pages, in class debates, and in presentations.
6. Analyze problems, propose solutions, and make responsible decisions by the means of critical thinking and moral reasoning.

Week / Unit	Content	Skills / Objectives	Assessments	Standards
Units 1&2	<i>An Overview of Ethics</i>	<i>Unit Objectives Include:</i> <ul style="list-style-type: none"> • <i>Define ethics, and why is it important to act according to a code of ethics.</i> • <i>Apply the 5 step approach to ethical decision making.</i> 	<ul style="list-style-type: none"> - <i>Unit 2: Discussion</i> - <i>Chapter 1 Quiz.</i> - <i>Job with “Ethics Requirement” research paper</i> - <i>MD5 in Cookies in-class activity</i> 	<i>College’s CIS & PHL Departments Reviews & Approvals</i>
Unit 3	<i>Ethics for IT Workers and IT Users</i>	<i>Unit Objectives Include:</i> <ul style="list-style-type: none"> • <i>Identify the key characteristics that distinguish a professional from other kinds of workers, and answer if an IT worker is considered a professional.</i> • <i>Discuss compliance and evaluate how it helps promote the right behaviors and discourage undesirable ones.</i> 	<ul style="list-style-type: none"> - <i>Unit 3 Discussion</i> - <i>Chapter 2 Quiz.</i> - <i>In-class presentations</i> 	<i>College’s CIS & PHL Departments Reviews & Approvals</i>
Units 4&5	<i>Computer and Internet Crime</i>	<i>Unit Objectives Include:</i> <ul style="list-style-type: none"> • <i>List the key elements of a multilayer process for managing security vulnerabilities based on the concept of reasonable assurance.</i> • <i>Define computer forensics and the role it plays in response to a computer incident.</i> 	<ul style="list-style-type: none"> - <i>Unit 4 Discussion</i> - <i>Unit 5 Discussion</i> - <i>Chapter 3 Quiz.</i> - <i>Case Study research paper</i> - <i>In-class Hacking Tools research project</i> 	<i>College’s CIS & PHL Departments Reviews & Approvals</i>
Units 6&7	<i>Privacy</i>	<i>Unit Objectives Include:</i> <ul style="list-style-type: none"> • <i>Define the right of privacy, and discuss the basis for protecting personal privacy.</i> • <i>Identify the capabilities of advanced surveillance technologies, and discuss the ethical issues in relation to personal privacy.</i> 	<ul style="list-style-type: none"> - <i>Unit 5 Discussion</i> - <i>In-class Debate Statement Prep Activity:</i> - <i>“In the war against terrorism, and with the advances in technology, Americans need to lower their expectations of privacy”</i> - <i>Drones & Privacy activity</i> 	<i>College’s CIS & PHL Departments Reviews & Approvals</i>

Unit 8	Freedom of expression	<p><i>Unit Objectives Include:</i></p> <ul style="list-style-type: none"> • Discover the basis for the protection of freedom of expression in the United States, and identify the types of expression that are not protected under the law. • Explore important freedom of expression issues and information technology. 	<ul style="list-style-type: none"> - Unit 8 Discussion - Chapter 5 Quiz. - In-class Debate 	College's CIS & PHL Departments Reviews & Approvals
Unit 9	Intellectual Property	<p><i>Unit Objectives Include:</i></p> <ul style="list-style-type: none"> • Discuss plagiarism, and construct a plan to combat it. • Compare competitive intelligence and industrial espionage, and explore how competitive intelligence is gathered. 	<ul style="list-style-type: none"> - Unit 9 Discussion - Chapter 6 Quiz. - Mid-Term Research Paper 	College's CIS & PHL Departments Reviews & Approvals
Unit 10	Software Development	<p><i>Unit Objectives Include:</i></p> <ul style="list-style-type: none"> • Identify the potential ethical issues software manufacturers face in making trade-offs between project schedules, project costs, and software quality. • List the four most common types of software product liability claims. 	<ul style="list-style-type: none"> - Unit 10 Discussion - Chapter 7 Quiz. 	College's CIS & PHL Departments Reviews & Approvals
Unit 11	Impact of Information Technology on Productivity and Quality of Life	<p><i>Unit Objectives Include:</i></p> <ul style="list-style-type: none"> • Discuss the impact IT has had on the standard of living and worker productivity. • Describe what is being done to reduce the negative influence of the digital divide 	<ul style="list-style-type: none"> - Unit 11 Discussion - Chapter 8 Quiz. 	College's CIS & PHL Departments Reviews & Approvals
Unit 12	Social Networking	<p><i>Unit Objectives Include:</i></p> <ul style="list-style-type: none"> • Describe social networks and how people use them. • Identify some of the key ethical issues associated with the use of social networking Web sites. 	<ul style="list-style-type: none"> - Unit 12 Discussion - Chapter 9 Quiz. - Case Study Paper, fake groups and Russian interference in US politics: "Stoking Islamophobia and secession in Texas - from an office in Russia" 	College's CIS & PHL Departments Reviews & Approvals
Unit 13	Ethics of IT Organizations	<p><i>Unit Objectives Include:</i></p> <ul style="list-style-type: none"> • Identify contingent workers in the information technology industry. • Define whistle-blowing and describe an effective whistle-blowing process. 	<ul style="list-style-type: none"> - Unit 13 Discussion - Final Projects - Chapter 10 Quiz 	College's CIS & PHL Departments Reviews & Approvals

<i>Unit 14&15</i>	<i>Final Project</i>	<i>Students choose a topic related to this course and create an ethical scenario, then present the scenario in both an argumentative research paper, as well as an in-class presentation.</i>	<i>- Unit 14 Discussion - Unit 15 Discussion - Final Project Research Paper & Presentation</i>	<i>College's CIS & PHL Departments Reviews & Approvals</i>
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