COURSE SYLLABUS

COM315: Ethics in Information Technology

Course Description

As a computing professional, software developers need to be aware of their ethical responsibilities. The goal of the course is to lay the foundation for ethical decision-making and the methodologies commonly used in making those decisions with respect to software development. Topics include intellectual property, privacy, internet crime, social networking, and security.

General Course Information

|  |  |
| --- | --- |
| Number of Units/Weeks | 4/10 |
| #Hours Lecture/#Hours Laboratory/#Hours ELPs\* | 40/00/80 |
| Prerequisite(s) | None |
| Co-requisites (s) | None |
| Course Developer(s) | Leticia Rabor, M.S. |
| Date Approved / Last Review | May 2017 / May 2017 |

\*Enhanced Learning Projects

Learning Outcomes

* (CLO1) Apply ethical principles to technology issues.
* (CLO2) Present views on ethical issues in a clear and precise manner in discussion and written documents.
* (CLO3) Describe the various ethical theories which can be used to form the basis of solutions to moral dilemmas in information technology.
* (CLO4) Evaluate the key ethical, legal and social issues related to information technology through Case Study Analysis.
* (CLO5) Explain the laws and regulations related to ethics in information technology.

Instructional Methods Employed in this Course

* Lecture and reading assignments
* Homework Writing Assignments
* Evaluating and Writing Case Analysis
* Homework Review Questions
* Class Presentations
* Class Discussions
* PowerPoint Slides

Information Resources for this Course

Textbook

Reynolds, George W. Ethics in Information Technology, 5th edition. Cengage Learning, 2014. ISBN-13: 978-1285197159

Other Resources

None

Table/Topics & Assignments

Types of Assignments:

Lecture -

Considered Lecture Hours

Classroom Discussion -

Considered Lecture Hours

Reading -

Considered Enhanced Learning Project (ELP), work done outside of class

Writing Assignments -

Considered Enhanced Learning Project (ELP), work done outside of class

Case Study -

Considered Enhanced Learning Project (ELP), work done outside of class

Self- Assessment Exercises -

Considered Enhanced Learning Project (ELP), work done outside of class

Midterm and Final -

Considered Lecture Hours

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Week 1 |  |  |  |  |  |  |
| Type | Topic/Description | LEC Hours | LAB Hours | ELP Hours | Point Value | Due |
| LEC 1A | Introduction to Ethics in Information Technology | 2 | -- | -- | -- |  |
| IC EX 1A | What Would You Do? Scenario #6 | 2 | -- | -- | -- | In Class |
| ELP 1A | Read Chapter 1 (26 pages) Evaluated by ELP 1B | -- | -- | 2.6 | -- | Week 2 |
| ELP 1B | Chapter 1 Self Assessment Questions (18 questions) | -- | -- | 1.25 | -- | Week 2 |
| ELP 1C | Case 1: Is There a Place for Ethics in IT? | -- | -- | 5 | 100 | Week 3 |
| Total Week 1 |  | 4 | -- | 8.85 | 100 |  |
| Week 2 |  |  |  |  |  |  |
| Type | Topic/Description | LEC Hours | LAB Hours | ELP Hours | Point Value | Due |
| LEC 2A | Ethics in IT Society/Ethical Theories | 2 | -- | -- | -- |  |
| IC EX 2A | What Would You Do? Scenario #4 | 2 | -- | -- | -- | In Class |
| ELP 2A | Read Chapter 2 (27 pages) Evaluated by ELP 2B | -- | -- | 2.7 | -- | Week 3 |
| ELP 2B | Chapter 2 Self Assessment Questions  (12 questions) | -- | -- | 0.8 | -- | Week 3 |
| Total Week 2 |  | 4 | -- | 3.5 | - |  |
| Week 3 |  |  |  |  |  |  |
| Type | Topic/Description | LEC Hours | LAB Hours | ELP Hours | Point Value | Due |
| LEC 3A | Computer and Internet Crime | 2 | -- | -- | -- |  |
| IC EX 3A | What Would You Do? Scenario #1 | 2 | -- | -- | -- | In Class |
| ELP 3A | Read Chapter 3 (34 pages) Evaluated by ELP 3B | -- | -- | 3.4 | -- | Week 4 |
| ELP 3B | Chapter 3 Self Assessment Questions (16 questions) | -- | -- | 1.1 | -- | Week 4 |
| ELP 3C | LASA: Case Study | -- | -- | 26.5 | 200 | Week 10 |
| Total Week 3 |  | 4 | -- | 31.0 | 200 |  |
| Week 4 |  |  |  |  |  |  |
| Type | Topic/Description | LEC Hours | LAB Hours | ELP Hours | Point Value | Due |
| LEC 4A | Privacy and Surveillance | 2 | -- | -- | -- |  |
| IC EX 4A | What Would You Do? Scenario #2 | 2 | -- | -- | -- | In Class |
| ELP 4A | Read Chapter 4 (30 pages) Evaluated by ELP 4B | -- | -- | 3.0 | -- | Week 5 |
| ELP 4B | Chapter 4 Self Assessment Questions (18 questions) | -- | -- | 1.25 | -- | Week 5 |
| Total Week 4 |  | 4 | -- | 4.25 | - |  |
| Week 5 |  |  |  |  |  |  |
| Type | Topic/Description | LEC Hours | LAB Hours | ELP Hours | Point Value | Due |
| LEC 5A | Freedom of Expression | 1 | -- | -- | -- |  |
| IC EX 5A | What Would You Do? Scenario #9 | 1 |  |  |  |  |
| EXAM | Midterm Examination (Chapters 1-4) | 2 | -- | -- | 200 | In Class |
| ELP 5A | Read Chapter 5 (21 pages) Evaluated by ELP 5B | -- | -- | 2.1 | -- | Week 6 |
| ELP 5B | Chapter 5 Self Assessment Questions (16 questions) | -- | -- | 1.1 | -- | Week 6 |
| Total Week 5 |  | 4 | -- | 3.2 | 200 |  |
| Week 6 |  |  |  |  |  |  |
| Type | Topic/Description | LEC Hours | LAB Hours | ELP Hours | Point Value | Due |
| LEC 6A | Intellectual Property | 2 | -- | -- | -- |  |
| IC EX 6A | What Would You Do? Scenario #3 | 2 | -- | -- | -- | In Class |
| ELP 6A | Read Chapter 6 (29 pages) Evaluated by ELP 6B | -- | -- | 2.9 | -- | Week 7 |
| ELP 6B | Chapter 6 Self Assessment Questions (16 questions) | -- | -- | 1.1 | -- | Week 7 |
| ELP 6C | Case 2: Google Book Search Library Project | -- | -- | 8 | 100 | Week 8 |
| Total Week 6 |  | 4 | -- | 12 | 100 |  |
| Week 7 |  |  |  |  |  |  |
| Type | Topic/Description | LEC Hours | LAB Hours | ELP Hours | Point Value | Due |
| LEC 7A | Software Development | 2 | -- | -- | -- |  |
| IC EX 7A | What Would You Do? Scenario #5 | 2 | -- | -- | -- | In Class |
| ELP 7A | Read Chapter 7 (22 pages) Evaluated by ELP 7B | -- | -- | 2.2 | -- | Week 8 |
| ELP 7B | Chapter 7 Self Assessment Questions (16 questions) | -- | -- | 1.1 | -- | Week 8 |
| Total Week 7 |  | 4 | - | 3.3 | -- |  |
| Week 8 |  |  |  |  |  |  |
| Type | Topic/Description | LEC Hours | LAB Hours | ELP Hours | Point Value | Due |
| LEC 8A | Social Networking | 2 | -- | -- | -- |  |
| IC EX 8A | What Would You Do? Scenario #6 | 2 | -- | -- | -- | In Class |
| ELP 8A | Read Chapter 8(23 pages) Evaluated by ELP 8B | -- | -- | 2.3 | -- | Week 9 |
| ELP 8B | Chapters 8 Self Assessment Questions (13 questions) | -- | -- | .8 | -- | Week 9 |
| ELP 8C | Case 3: Is the Tide Turning on Telework? | -- | -- | 18 | 100 | Week 9 |
| Total Week 8 |  | 4 | - | 21.1 | 100 |  |
| Week 9 |  |  |  |  |  |  |
| Type | Topic/Description | LEC Hours | LAB Hours | ELP Hours | Point Value | Due |
| LEC 9A | Security | 2 | -- | -- | -- |  |
| IC EX 9 | What Would You Do? Scenario #6 | 2 | -- | -- | -- | In Class |
| ELP 9A | Read Chapter 9  (20 pages)  Evaluated by ELP 9B | -- | -- | 2.0 | -- | Week 10 |
| ELP 9B | Chapter 9 Self Assessment Questions (12 questions) | -- | -- | 0.7 | -- | Week 10 |
| Total Week 9 |  | 4 | -- | 2.7 | - |  |
| Week 10 |  |  |  |  |  |  |
| Type | Topic/Description | LEC Hours | LAB Hours | ELP Hours | Point Value | Due |
| LEC 10A | Ethical Issues for Computer Professionals | 1 |  |  |  |  |
| EXAM | Final Examination (Chapters 5- 9) | 2.75 | -- | -- | 200 | In Class |
| ELP 10A | Present and Explain Case Analysis | 0.25 |  |  | 100 | In Class |
| Total Week 10 |  | 4 | -- | -- | 300 |  |

Course Hours Summary

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Week | Topic | LEC Hours | LAB Hours | ELP Hours |
| 1 | Introduction to Ethics in Information Technology | 4 | -- | 8.85 |
| 2 | Ethics in IT Society/Ethical Theories | 4 | -- | 3.5 |
| 3 | Computer and Internet Crime | 4 | -- | 31.0 |
| 4 | Privacy and Surveillance | 4 | -- | 4.25 |
| 5 | Freedom of Expression, Midterm | 4 | -- | 3.2 |
| 6 | Intellectual Property | 4 | -- | 12 |
| 7 | Software Development | 4 | -- | 3.3 |
| 8 | Social Networking | 4 | -- | 21.1 |
| 9 | Security | 4 | -- | 2.7 |
| 10 | Finals | 4 | -- | -- |
| Total |  | 40 | -- | 89.9 |

Table/Point Breakdown

|  |  |  |  |
| --- | --- | --- | --- |
| Week | Assignment | Possible Points | Percent  of Grade |
| 1 | Project 1, Case Analysis 1 | 100 | 10% |
| 3 | LASA: Case Study | 200 | 20% |
| **5** | **Midterm** | **200** | **20%** |
| 6 | Project 2, Case Analysis 2 | 100 | 10% |
| 8 | Project 3, Case Analysis 3 | 100 | 10% |
| **10** | **Finals** | **200** | **20%** |
| 10 | Presentation | 100 | 10% |
| Total |  | 1000 | 100% |