1. **Course Number and Title:**
   CMP 235 – Ethics for Computing and Information Technology

2. **Credits Hours:**
   3 - 0 - 3

3. **Prerequisite and/or Co-Requisite:**
   Prerequisites: WRI 102 (Writing and Reading Across the Curriculum)

4. **Instructor's or course coordinator's name:**
   Dr. Tamer Shanableh

5. **Course Description (Catalog Description):**
   (Equivalent to PHI 206) Examines ethical theories and ethical decision-making models applied for computing and information technology. Offers in-depth discussion of social, ethical, and professional issues in computing including the codes of ethics of computing; professional societies; intellectual property defined by copyright, patent and trade secrets; privacy; confidentiality; conflict of interest; cybercrime; hacking; viruses; and identity theft.

6. **Textbook, and other Supplemental Material**
   Textbook:
   - M. Quinn, *Ethics for the Information Age*, 7th edition. Addison- Wesley, 2017. (6th is acceptable as well)

   Other supplemental materials:
   None.

7. **Course learning outcomes:**
   Upon completion of the course, students will be able to:
   1. Write persuasive arguments and critically evaluate the reasons and arguments for ethical decisions using various ethical theories.
   2. Analyze human behavior and ethical decisions using the Software Code of Ethics and Professional Practice.
   3. Evaluate computer network communications and security issues from an ethical perspective.
   4. Analyze the effect of IT privacy and computer crime on individuals and organizations.
   5. Recognize professional issues and ethical problems related to intellectual property.
   6. Examine the local and global impact of economic issues in computing on individuals, organizations, and society
   7. Examine software reliability and software warranties
   8. Write and present a paper related to ethics in computing.

8. **Teaching and Learning Methodologies:**
   Methods include two 1 hour and fifteen minutes lectures per week. Includes quizzes, student presentations, term paper and written exams.

9. **Course Topics and Schedule:**

Topic/Activity	Weeks
Introduction to ethics	Week 1
Ethical theories and persuasive arguments	Week 2
Network communications and ethics aspects	Week 3
Network security, computer crime and ethical aspects	Week 4
Introduction to Intellectual Property	Week 5
Copyright, patents, trademarks and protection of software	Week 6
Proprietary and open source software and ethical aspects	Week 7
Information privacy and ethical aspects	Week 8
Computer and software reliability	Week 9
Software warranties	Week 10
Social, economic and global aspects of computing	Week 11
Professional ethics (ACM/IEEE-CS) and analysis of human behavior	Week 12
Case studies	Week 13
Student presentations	Week 14
Revision	Week 15
Final Exam	Week 16