Computer Science and Engineering CSE 3981
Social and Ethical Issues in Computing

CREDIT/CONTACT HOURS: Credit Hours: 1, Contact Hours: 15

COORDINATOR:
Dr. Donna Reese

a. Supplemental Material: No required material

SPECIFIC COURSE INFORMATION:
Catalog Description: One hour lecture. Study of major social and ethical issues in computing, including history of computing, impact of computers on society, and the computer professional’s code of ethics.
a. Prerequisites: Senior standing
b. Required/Elective:
   Computer Science: Required
   Software Engineering: Required
   Computer Engineering: Elective

SPECIFIC GOALS OF THE COURSE:
Specific Outcomes of Instruction:
1. To make students aware of their responsibilities and duties as a computer professional.
2. To help students analyze the social implications of the rapid computerization of our culture.
3. To acquaint students with the ethical issues involved in computing.
4. To assist students in formulating their own code describing their moral and ethical responsibilities as computer professionals.
a. Criterion 3 Outcomes:
   Note: Parenthesized list indicates the ABET EAC and CAC outcomes addressed by each performance criteria.
   1. Students will become knowledgeable about the codes of ethics in computing and be able to use them in their professional careers, including during the process of decision-making. (EAC: f, h, j; CAC: e, g)
   2. Students will be able to participate in well-reasoned discussions of social and ethical issues in computing. (EAC: f, g, h, j; CAC: e, f, g)

TOPICS COVERED:  (Number of class hrs)
1. Philosophical bases for computer ethics 2
2. Networked Communication 2
3. Intellectual Property 2
4. Privacy Concerns 2
5. Computer and Network Security 1
<table>
<thead>
<tr>
<th></th>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Computer Reliability</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Professional Ethics &amp; Codes of Ethics</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>Work and Wealth</td>
<td>2</td>
</tr>
</tbody>
</table>