Department of Computer Science: Assessment and Improvement, 2013

Department: Computer Science

Assessment Coordinator: Perry Fizzano

Departmental Mission: The mission of the Computer Science Department is to provide the highest quality education in computer science; to perform research that advances the state-of-the-art in computer science; to produce graduates that are knowledgeable, articulate, principled, innovative, confident, and able to think critically; to be engaged in local, state, and national issues to the benefit of both the public and private sector; and to maintain a diverse college community.

Departmental Student Learning Outcomes:
Upon graduation, majors will be able to:
1. Apply scientific and engineering methodologies to the analysis of problems and the design, implementation and evaluation of computer-based solutions.
2. Utilize their breadth and depth of theoretical computer science and mathematics to adapt to emerging technologies and the ever changing needs of industry or the cutting edge of computer science research.
3. Exploit their awareness of persistent concepts in computer science to understand and be able to effectively utilize current platforms, tools and industry standards.
4. Make effective use of oral and written communications in their interactions with clients, colleagues, management and subordinates.
5. Display competence and efficiency when working on individual or team projects.
6. Give appropriate consideration to the professional, ethical, legal, security and social impacts of computer technology as it pertains to their current position.
7. Continue to enhance their technical skills and their development as computing professionals through life-long learning.

GUR Learning Outcomes:
4. Identify and analyze complex problems

<table>
<thead>
<tr>
<th>Assessment Measures</th>
<th>SLO’s Assessed</th>
<th>Use of the Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance in CSCI 352, 405 and the Sr Proj Sequence (491,492,493)</td>
<td>1,2,3,4,5,6</td>
<td>CSCI 352 and 405 were deemed to be meeting their objectives. CSCI 491/2/3 were satisfactorily achieving many of their objectives but fell short in the development of communication and team skills and also fell short in the development of professional conduct.</td>
</tr>
</tbody>
</table>

Program Changes Based on Assessment: Future offerings of the senior project courses will work on developing those traits with organized activities. Further, more team work will be instituted in lower level classes.