Course Number | CS 499B |
---|---|
Course Title | Senior Thesis in Computer Science |
Semester Hours | 3 |
Course Coordinator | Chun-Hsi Huang |
Catalog Description | A continuation of CS 498, carrying out the approved research under the supervision of a Computer Science faculty culminating in a written thesis and presentation to the Computer Science faculty, evaluated by a committee consisting the advisor, the instructor of the course, and a member (as representative) of the Undergraduate Curriculum Committee. |

Textbooks

No Textbooks required.

References


Course Learning Outcomes

- Critical Thinking and Written Communication: Students produce a clearly written, Computer Science specific thesis that analyzes a complex problem or addresses a significant research question with insight and imagination.
- Search, read, analyze, and summarize scientific literature
- Pursue a scientific fact, plan a scientific work, and analyze scientific data. Draw conclusions and make scientific inferences.
- Understanding of the current research questions in Computer Science.
- To demonstrate the diverse skills and problem-solving abilities acquired during the students' undergraduate education.

Assessment of the Contribution to Student Outcomes

<table>
<thead>
<tr>
<th>Outcome</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessed</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>
## Prerequisites by Topic

**CS 498**

## Major Topics Covered in the Course

1. How to do scientific research: Literature review, summarizing literatures, conducting experimentation. {16 classes}
2. Technical reporting writing {16 classes}
3. Formal report and oral presentation {6 classes}