CSE 6891: Departmental Research Seminar

Course Description
This course consists of lectures and classroom activities on frontier research by faculty members in the Department. The objectives include 1) introducing the students to the research areas being conducted by the graduate faculty in the Department; and 2) encouraging students to become actively involved in one of the research areas.

Prior Course Number: 885
Transcript Abbreviation: Dept Seminar CSE
Grading Plan: Satisfactory/Unsatisfactory
Course Deliveries: Classroom
Course Levels: Graduate
Student Ranks: Masters, Doctoral
Course Offerings: Autumn
Flex Scheduled Course: Never
Course Frequency: Every Year
Course Length: 14 Week
Credits: 1.0
Repeatable: No
Time Distribution: 2.0 hr Lec
Expected out-of-class hours per week: 1.0
Graded Component: Lecture
Credit by Examination: No
Admission Condition: No
Off Campus: Never
Campus Locations: Columbus
Prerequisites and Co-requisites: Graduate standing in CSE or permission of the instructor
Exclusions:
Cross-Listings:

Course Rationale: This course presents exciting research areas in CSE to the students and connect them with the graduate faculty in CSE.

The course is required for this unit's degrees, majors, and/or minors: Yes
The course is a GEC: No
The course is an elective (for this or other units) or is a service course for other units: No

Subject/CIP Code: 14.0901
Subsidy Level: Baccalaureate Course

Programs

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>MS CSE</td>
<td>MS Computer Science and Engineering</td>
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<tr>
<td>PhD CSE</td>
<td>PhD Computer Science and Engineering</td>
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General Information

The research topics covered by current graduate faculty at the Department can vary from term to term; check with department for specifics about current offerings.
Course Goals

The goals of this course include 1) introducing the students to the research areas being conducted by the graduate faculty in the Department; and 2) encouraging students to become actively involved in one of the research areas.

Course Topics

<table>
<thead>
<tr>
<th>Topic</th>
<th>Lec</th>
<th>Rec</th>
<th>Lab</th>
<th>Cli</th>
<th>IS</th>
<th>Sem</th>
<th>FE</th>
<th>Wor</th>
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<tbody>
<tr>
<td>Current research areas being conducted by graduate faculty at the Department of Computer Science and Engineering.</td>
<td>25.0</td>
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Representative Assignments

Before each lecture, students are expected to ask questions on Carmen.

During each lecture, students are expected to actively interact with faculty members and participate classroom activities.

ABET-EAC Criterion 3 Outcomes

<table>
<thead>
<tr>
<th>Course Contribution</th>
<th>College Outcome</th>
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<tbody>
<tr>
<td>*</td>
<td>1 an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics - pre-2019 EAC SLOs (a) and (e); (k) is implied</td>
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<td></td>
<td>2 an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors - pre-2019 EAC SLO (c); (k) is implied</td>
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<td>3 an ability to communicate effectively with a range of audiences - pre-2019 EAC SLO (g)</td>
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<td></td>
<td>4 an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts - pre-2019 EAC SLOs (f) (h) and (j)</td>
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<td>5 an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives - pre-2019 EAC SLO (d)</td>
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<td>*</td>
<td>6 an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions - pre-2019 EAC SLO (b); (k) is implied</td>
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<td>*</td>
<td>7 an ability to acquire and apply new knowledge as needed, using appropriate learning strategies - pre-2019 EAC SLO (i)</td>
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Prepared by: Feng Qin