### Computer Science

**CS 591  Advanced Seminar  credit: 0 TO 4 hours.**

Seminar on topics of current interest as announced in the Class Schedule. Approved for S/U grading only. May be repeated in the same or separate terms if topics vary. Prerequisite: As specified for each topic offering, see Class Schedule or departmental course description.

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<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>35941</td>
<td>Lecture-Discussion</td>
<td>ACT</td>
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<td>ARR - Siebel Center for Comp Sci</td>
<td>Adve, V Garzaran, M Padua, D</td>
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<td>11:00 AM - 11:50 AM</td>
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<td>Bailey, B Karahalios, K</td>
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<td>Laboratory</td>
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<td>05:00 PM - 06:30 PM</td>
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<td>Erickson, J</td>
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Credit Hours: 1 hours
Advanced Compiler Technology
Restricted to Graduate - Urbana-Champaign.
Topic: Advanced Compiler Technology. Prerequisite: CS 426.

Credit Hours: 1 hours
Cloud Computing Research
Restricted to Graduate - Urbana-Champaign.
Topic: Cloud Computing Research.

Credit Hours: 1 hours
Formal Methods Seminar
Restricted to Graduate - Urbana-Champaign.

Credit Hours: 1 hours
Human-Computer Interaction
Restricted to Graduate - Urbana-Champaign.
Topic: Seminar in Human-Computer Interaction. Course restricted to PhD Students only.

Credit Hours: 1 hours
Distributed Systems Seminar
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.
Topic: Advanced Seminar in Distributed Systems. Prerequisite: CS 598IG or CS 425 or any basic course on distributed systems.
Credit Hours: 1 hours  
Theory Teaching Studio  
Instructor Approval Required  
**Topic:** Discussion, practice, and feedback on best practices for teaching upper division theory courses. Aimed at teaching assistants in CS 374, but open to other students interested in teaching. Contact Jeff Erickson for details. *Prerequisite: Instructor permission*  
Class will meet in 3405 Siebel Center

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<th>Credit Hours: 1 hours</th>
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Credit Hours: 1 hours  
**Scientific Computing Seminar**  
Restricted to Graduate - Urbana-Champaign.  
**Topic:** Scientific and Parallel Computing.

Credit Hours: 1 hours  
**PHD Orientation Seminar**  
Restricted to Computer Science major(s). Restricted to Graduate - Urbana-Champaign.  
**Topic:** Orientation for new PhD students.

Credit Hours: 1 hours  
**Security Reading Seminar**  
Restricted to Graduate - Urbana-Champaign.  
**Topic:** Security Reading Seminar. Prerequisite: A prior course in security or CS423 or consent of instructor.

Credit Hours: 1 hours  
**Software Engineering Seminar**  
Restricted to Graduate - Urbana-Champaign.  
**Topic:** Software Engineering Research Seminar. This seminar is about software engineering research, not focusing on practice. Most meetings discuss recent or seminal research papers. If interested in the seminar, please sign up to the soft-eng mailing list from [http://wiki.cites.illinois.edu/wiki/display/SoftEng](http://wiki.cites.illinois.edu/wiki/display/SoftEng)

Credit Hours: 1 hours  
**Teaching Assistant Training**  
Restricted to Graduate - Urbana-Champaign.  
**Topic:** TA Seminar; Teaching Assistant Training.

Credit Hours: 2 hours  
**Text Mining Seminar**
Topic: Text Information Management and Analysis

Text data are rich in semantic content and often contain valuable information such as human opinions and preferences. Text mining is the process of converting big unstructured text data into actionable knowledge. CS 591txt is a seminar on current topics in the text mining field, which is closely related to data mining, machine learning, and natural language processing. We will interactively read, discuss, and analyze the latest research from top conferences while practicing our own presentation skills.