# 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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<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>35941</td>
<td>Lecture-Discussion</td>
<td>ACT</td>
<td>ARRANGED -</td>
<td></td>
<td>ARR - Siebel Center for Comp Sci</td>
<td>Adve, V Misailovic, S Padua, D</td>
</tr>
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</table>

Credit Hours: 1 hours  
Advanced Compiler Technology  
Restricted to Computer Science or Bioinformatics major(s). Restricted to Graduate - Urbana-Champaign.  
Topic: Advanced Compiler Technology. Prerequisite: CS 426.

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<tr>
<th>CRN</th>
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<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>35943</td>
<td>Lecture-Discussion</td>
<td>CCR</td>
<td>05:00 PM - 06:20 PM</td>
<td>W</td>
<td>1304 - Siebel Center for Comp Sci</td>
<td>Campbell, R</td>
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Credit Hours: 1 hours  
Cloud Computing Research  
Restricted to Computer Science or Bioinformatics major(s). Restricted to Graduate - Urbana-Champaign.  
Topic: Cloud Computing Research.

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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>35958</td>
<td>Lecture-Discussion</td>
<td>CS</td>
<td>03:30 PM - 04:20 PM</td>
<td>MW</td>
<td>-</td>
<td>Amato, N</td>
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Credit Hours: 1 hours  
CS Colloquium  
Topic: Software Architecture Seminar.

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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tr>
<td>46417</td>
<td>Lecture-Discussion</td>
<td>FM</td>
<td>03:30 PM - 04:20 PM</td>
<td>F</td>
<td>ARR - Siebel Center for Comp Sci</td>
<td>Gunter, E</td>
</tr>
</tbody>
</table>

Credit Hours: 1 hours  
Formal Methods Seminar  
Restricted to Computer Science or Bioinformatics major(s). Restricted to Graduate - Urbana-Champaign.  

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<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>35974</td>
<td>Lecture-Discussion</td>
<td>HCI</td>
<td>11:00 AM - 11:50 AM</td>
<td>T</td>
<td>ARR - Siebel Center for Comp Sci</td>
<td>Kirlik, A</td>
</tr>
</tbody>
</table>

Credit Hours: 1 hours  
Human-Computer Interaction  
Restricted to Computer Science or Bioinformatics major(s). Restricted to Graduate - Urbana-Champaign.  
Topic: Seminar in Human-Computer Interaction. Undergrad student must have permission of the instructor to register. This seminar will meet in 4405 SC.

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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>43828</td>
<td>Lecture-Discussion</td>
<td>IG</td>
<td>05:00 PM - 05:50 PM</td>
<td>R</td>
<td>ARR - Siebel Center for Comp Sci</td>
<td>Gupta, I</td>
</tr>
</tbody>
</table>
### Distributed Systems Seminar
- Credit Hours: 1 hours
- Instructor Approval Required
- Restricted to Computer Science or Bioinformatics major(s). 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
- Scientific Computing Seminar
- Restricted to Computer Science or Bioinformatics major(s). Restricted to Graduate - Urbana-Champaign.
- Credit Hours: 1 hours
- PHD Orientation Seminar
- Restricted to Computer Science or Bioinformatics major(s). Restricted to Graduate - Urbana-Champaign.
- Topic: Orientation for new PhD students.
- Credit Hours: 1 hours
- Security Reading Seminar
- Restricted to Computer Science or Bioinformatics major(s). 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
- Instructor Approval Required
- Restricted to Computer Science or Bioinformatics major(s). 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 Computer Science or Bioinformatics major(s). Restricted to Graduate - Urbana-Champaign.
- Topic: TA Seminar; Teaching Assistant Training.
- Credit Hours: 2 hours
- Text Mining Seminar
- Not intended for Computer Science or Bioinformatics major(s). Restricted to Graduate - Urbana-Champaign.
Topic: Text Information Management and Analysis

Text data are rich in semantic content and often contain valuable information such as human opinions and preferences. They play an important role in all big data applications. Text mining is the process of converting big unstructured text data into actionable knowledge to support user tasks and decision making. CS 591txt is a seminar on current topics in the text mining field, which is closely related to data mining, natural language processing, information retrieval, and machine learning. Students will read, discuss, and analyze the latest research in text mining techniques and applications.