**Computer Science**

**CS 512  Data Mining Principles**  credit: 4 hours.

An advanced course on principles and algorithms of data mining. Data cleaning and integration; descriptive and predictive mining; mining frequent, sequential, and structured patterns; clustering, outlier analysis and fraud detection; stream data, web, text, and biomedical data mining; security and privacy in data mining; research frontiers. Prerequisite: CS 412.

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<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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<tbody>
<tr>
<td>31604</td>
<td>Lecture-Discussion</td>
<td>F</td>
<td>09:30 AM - 10:45 AM</td>
<td>TR</td>
<td>0216 - Siebel Center for Comp Sci</td>
<td>Han, J</td>
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Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.

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<tr>
<td>47139</td>
<td>Online</td>
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<td>ARRANGED -</td>
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<td>Han, J Zhu, Q</td>
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Restricted to MS: Civil Engr - Online - UIUC, MCS:Computer Sci Online -UIUC, MS:Mechanical Engineering -UIUC, MS:Env Engr CivilEngr ONL-UIUC, MS:Industrial Engr Online-UIUC, MS: Aerospace Engr-Online-UIUC, NDEG:Grad Nondegree-CE-UIUC, or MENG:Mech Engineering Onl-UIUC.

Restricted to online graduate non-degree, online MCS, online MSME, online MSCEE, and online MSAE students. For more details on this course section, please see http://engineering.illinois.edu/online/courses/.