Class Schedule - Fall 2019

Computer Science

CS 411  **Database Systems**  credit: 3 OR 4 hours.
Examination of the logical organization of databases: the entity-relationship model; the hierarchical, network, and relational data models and their languages. Functional dependencies and normal forms. Design, implementation, and optimization of query languages; security and integrity; concurrency control, and distributed database systems. 3 undergraduate hours. 3 or 4 graduate hours. Prerequisite: CS 225.

<table>
<thead>
<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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</thead>
<tbody>
<tr>
<td>30109</td>
<td>Lecture-Discussion</td>
<td>Q3</td>
<td>11:00 AM - 12:15 PM</td>
<td>MW</td>
<td>1404 - Siebel Center for Comp Sci</td>
<td>Alawini, A</td>
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</tbody>
</table>

Credit Hours: 3 hours
Restricted to Computer Science or Statistics & Computer Science or Math & Computer Science or Computer Sci & Anthropology or Computer Sci & Astronomy or Computer Sci & Chemistry or Computer Sci & Linguistics or Computer Science & Crop Sciences or Computer Science and Music or Computer Science & Economics or Computer Science & Advertising or Computer Science & Geog & GIS or Computer Science & Philosophy major(s). Restricted to Undergrad - Urbana-Champaign.
For up-to-date information about CS course restrictions, please see the following link: http://go.cs.illinois.edu/CSregister

| 40086| Lecture-Discussion  | Q4      | 11:00 AM - 12:15 PM | MW   | 1404 - Siebel Center for Comp Sci | Alawini, A |

Credit Hours: 4 hours
Restricted to Computer Science or Bioinformatics major(s). Restricted to Graduate - Urbana-Champaign.
For up-to-date information about CS course restrictions, please see the following link: http://go.cs.illinois.edu/CSregister