Computer Science

CS 411  **Database Systems**  credit: 3 OR 4 hours.
Examines 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 or CS 400.

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<td>TR</td>
<td>1320 - Digital Computer Laboratory</td>
<td>Kim, J Termehchy, A Winslett, M</td>
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Credit Hours: 3 hours

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Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.