Faculty Committee on Graduate and Continuing Education

Proposal to Change a Graduate Course

Department:   Computer Science
Graduate Program:   Computer and Information Sciences (CSIS)

Will this course be cross-listed with an undergraduate or other graduate course?  □ YES  ☑ NO
If yes, please complete an attach to this proposal a Permission to Cross-List a Graduate Course form.

Course change(s) will go into effect: Fall 2010

Change(s) desired: Change course name and description FROM

CSIS 638 DATABASE DESIGN (3) Topics include conceptual and logical data models, relational database design, Structured Query Language (SQL), query processing, administration and CASE tools. A database design project is part of the requirement and includes a hands-on design, development and implementation using an available database software system like Oracle.

TO

CSIS 638 Advanced Topics in Database Systems  Three Credit Hours
Prerequisite: CSIS 601 or permission of the instructor
Builds on the foundation established in 601 and focuses on topics such as: algorithms for query processing and optimization, physical database design, transaction processing, concurrency control, database backup and recovery techniques, database security, distributed databases, multimedia databases, object and object-relational databases, data warehousing, and data mining.

Justification for change(s)

CSIS 601 has been modified to include both data modeling and database design, thus allowing CSIS 638 to include more advanced topics. Thus, we think it appropriate to rename the course and modify the description for accuracy to reduce overlap with CSIS 601.

Signature of Program Director: [Signature]  Date: 2-2-2010

Date approved by the Department: 2-3-2010

Signature of Department Chair: [Signature]  Date: 2-8-2010

Signature of Schools' Dean: [Signature]  Date: 2-8-2010

Signature of Provost: [Signature]  Date: 2-8-2010

Return form to the Graduate School Office for Further Processing

If more space is needed for any section, please attach additional sheets to this form.

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Signature of Chair of the Faculty Committee on Graduate and Continuing Education: 

H. L. R. Tierny

Date: 2/24/2010

Signature of Chair of Grad Council: 

Date: 2/24/10

Signature of the Faculty Secretary: 

Date: 

If more space is needed for any section, please attach additional sheets to this form.