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  X 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 601 DATA MODELING (3) Data modeling includes conceptual, logical and physical modeling. The focus is on conceptual data modeling. Students learn about data element analysis, standardization, naming and normalization. They learn how to create a single model that supports multiple user views. In addition, they learn how to select and use modeling tools (e.g., the Unified Modeling Language).

TO

CSIS 601 DATA MODELING AND DATABASE DESIGN  Three Credit Hours
Topics include conceptual, logical, and physical data modeling, data analysis, relational database design and normalization, query languages, query processing, administration, and CASE tools. A database design project is part of the requirement and includes hands-on data modeling, design, development, and implementation.

Justification for change(s)

After teaching the course for several years, it has become apparent that the modeling concepts are most appropriately taught along with implementation of those models. 601 is revised to include database design/implementation in addition to data modeling.

Signature of Program Director: ___________________________ Date: __2-2-2010________________
Date approved by the Department: ___________________________ Date: __2-3-2010________________
Signature of Department Chair: ___________________________ Date: __2/8/2010________________
Signature of Schools’ Dean: ___________________________ Date: __2/9/2010________________
Signature of Provost: ___________________________

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.

November 2007
Signature of Chair of the Faculty Committee on Graduate and Continuing Education: 

[Signature]

Date: 2/24/2010

Signature of Chair of Grad Council: [Signature]

Date: 3/14/10

Signature of the Faculty Secretary: 

Date: 

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