Course Name: Database Design and Implementation  
Course Prefix: IST  
Course Number: 3210  
Submitted by: Taowen Le, let@weber.edu

Current Date: 11/3/2014 College: Business & Economics  
Department: Business Administration  
From Term: Fall 2015

Substantive

change   
Current Course Subject: IST  
Current Course Number: 3210

Credits: (4) Typically taught: Fall [Full Sem] Spring [Full Sem] This course provides a comprehensive coverage of business database systems. Students will learn how to design, implement, and manage databases. They will learn both GUI interface and how to use the Structured Query Language (SQL). They will also gain experience in using an enterprise level, multi-user database. Prerequisite: MATH 1050 and IST 2110.

**New/Revised Course Information:**

Subject: IST  
Course Number: 3210

Check all that apply:*This is for courses already approved for gen ed. Use a*[*different form*](http://documents.weber.edu/catalog/forms.htm)*for proposing a new gen ed designation.*

* DV
* CA
* HU
* LS
* PS
* SS
* EN
* AI
* QL
* TA
* TB
* TC
* TD
* TE

Course Title: Database Design and Implementation  
Abbreviated Course Title: Database Design & Imp.  
Course Type: LEC  
Credit Hours: 3  
**or**if variable hours: to

Contact Hours:Lecture: 3  
Lab: 0  
Other: 0

Repeat Information:Limit: 0  
Max Hrs: 0  
Grading Mode: standard

This course is/will be:

a required course in a major program  
a required course in a minor program  
a required course in a 1- or 2- year program  
elective

Prerequisites/Co-requisites: MATH 1050 and IST 2110

Course description (exactly as it will appear in the catalog, including prerequisites):Credits: (3)   
Typically taught:  
Fall [Full Sem]  
Spring [Full Sem]  
  
This course provides a comprehensive coverage of business database systems. Students will learn how to design, implement, and manage databases. They will learn both GUI interface and the Structured Query Language (SQL). They will also gain experience in using an enterprise level, multi-user database. Prerequisite: MATH 1050 and IST 2110.

Justification for the new course or for changes to an existing course. (Note: Justification should emphasize academic rationale for the change or new course. This is particularly important for courses requesting upper-division status.)

During the past decade, not only has the information technology industry changed tremendously, the business industry in general has also been greatly impacted by those changes. To continue preparing our students adequately for the industry, it is critical that the IST curriculum changes accordingly. This course is changed in no. of credit hours (from 4 to 3) to reduce coverage of certain industry content so as to better focus on the essentials of database technology. Also, this change brings this course in alignment with the other courses in the program so as to better facilitate student course-work planning.

**INFORMATION PAGE   
for substantive proposals only**

1. Did this course receive unanimous approval within the Department?trueIf not, what are the major concerns raised by the opponents?

2. If this is a new course proposal, could you achieve the desired results by revising an existing course within your department or by requiring an existing course in another department?

3. How will the proposed course differ from similar offerings by other departments? Comment on any subject overlap between this course and topics generally taught by other departments, even if no similar courses are currently offered by the other departments. Explain any effects that this proposal will have on program requirements or enrollments in other department. Please forward letters (email communication is sufficient) from all departments that you have identified above stating their support or opposition to the proposed course.

4. Is this course required for certification/accreditation of a program?no

If so, a statement to that effect should appear in the justification and supporting documents should accompany this form.

5. For course proposals, e-mail a syllabus to [Faculty Senate](mailto:kbrown4@weber.edu) which should be sufficiently detailed that the committees can determine that the course is at the appropriate level and matches the description. There should be an indication of the amount and type of outside activity required in the course (projects, research papers, homework, etc.).