



05-88

# Curriculum Proposal

Please type or select the requested information. Print completed forms, add appropriate paper attachments, and route through MSU's curricular process for recommendations and decisions.

(Check all that apply):		Proposal # <u>243</u>
College: <u>Science, Engineering and Technology</u>	<input type="checkbox"/> Undergraduate	Effective Date of Change:
Department: <u>Computer and Information Sciences</u>	<input type="checkbox"/> Graduate	Academic Year <u>05-06</u>
Program: _____	CIP # _____	(For Office Use Only)
Type of Change: <u>COURSE PROPOSALS</u>	Course Designator and Number	Number of Credits
Proposed: <u>Change in Course—Other</u>		
Title Current: <u>Database Management Systems I</u>	<u>COMS340</u>	<u>4</u>
Title Proposed: _____	(if applicable)	
24-Char. Abbrev: _____		

Include a course or program description for the Bulletin (30-40 words maximum for courses, 100 for programs):

COMS 340 (4) Database Management Systems I - Introduction to the concept of database systems; database models; database management systems; file organization; design of databases using data modeling and normalization; conversion of data model into relational, network, and hierarchical data models; extensive coverage of SQL and implementation of an application using a relational database in a team environment. ~~Pre: COMS 212 or concurrent registration in COMS212 F, S~~

*Co Req:*

Rationale or Justification for change:

Students successfully completing COMS211 would be able to register for a course in the major, hopefully helping to retain more students who might be contemplating changing majors because they can't take any other CIS classes. The department has found that students are adequately prepared for COMS340 after successfully completing COMS211 - Fundamentals of Computers of Science I

**\*\*\*For General Education or Cultural Diversity Courses Only\*\*\***

**General Education Course:**

GE Category #    GE Category Name (Maximum of 3 Categories)

N/A
N/A
N/A

? For Writing Intensive Courses, attach a description of the kind and quantity of writing.

? For Upper Division Courses, include a description of the respects in which it is broad and general rather than narrow and specific, and so suitable as GE.

Attach paper copies of the following:

- a. Syllabus or course outline.
- b. Course's student learning outcomes associated with each GE competency or CD designation.
- c. List of strategies to be used to assess students' achievement of each GE competency or CD designation.

**Cultural Diversity Course:**

(Please check one.)

- Core (At least 75% devoted to topics of race, gender, sexual orientation, age, class, and disabilities as they occur in United States Society.)
- Related (At least 25% devoted to the above topics or to a global perspective on topics related to African American, Asian, Hispanic, and Native American inhabitants of the United States.)

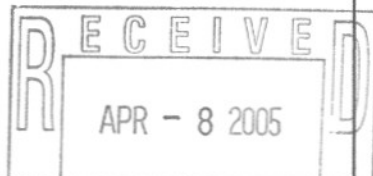
**\*\*\*For New Courses\*\*\***

(Check all that apply):	Instructional Type: <u>Lecture</u>	Course will be offered:
<input type="checkbox"/> Course is an elective.	Grading Format: <input type="checkbox"/> Grade <input type="checkbox"/> P/N	<input type="checkbox"/> Fall Semester
<input type="checkbox"/> Course is required for program	_____	<input type="checkbox"/> Spring Semester
<input type="checkbox"/> Pre- or Co-requisites:	_____	<input type="checkbox"/> Summer Session
<input type="checkbox"/> Other courses are being changed or eliminated. (Explain.) _____		

Course content or title is similar to courses in other departments. (Attach copy of letter of agreement with other program(s) contacted. Indicate the nature of the discussions and/or resolution of differences or potential conflicts.)

Attach paper copies of the following:

- a. Syllabus or course outline.
- b. Course's student learning outcomes.
- c. A list of resources required to offer and support this course.
- d. A description of how teaching this course will affect department staffing.
- e. If 400/500 level course, an explanation of added expectations of graduate students.





Minnesota State University, Mankato  
Curriculum Proposal

**\*\*\*For Program Proposals\*\*\***

Attach paper copies of the following:

- a. Student learning outcomes for the program.
- b. Minutes from department and college curriculum meetings in which action was taken on this proposal.
- c. Program Assessment Plan. Forms are available on the Academic Affairs Web site:  
[http://www.mnsu.edu/acadaf/words/PRA\\_SampSLOAssessPlan.doc](http://www.mnsu.edu/acadaf/words/PRA_SampSLOAssessPlan.doc)
- d. List of program requirements for **New** programs, or a list of **Current** and **Proposed** program requirements for **Redesigned** programs.
- e. A list of resources required to offer and support this program.
- f. A description of how offering this program will affect department staffing.
- g. A list of additional library holdings required for this program.

Please include rationale for any proposed changes in number of program credits:

**\*\*\*For Programs Requiring MnSCU Approval\*\*\***

If any of the following changes are proposed, please fill out and attach MnSCU Program Approval Forms, which are available on the Academic Affairs Web site:

<http://www.mnsu.edu/acadaf/html/currfirmsprocesses.htm>

1. **Creation** of an entirely new program.
2. **Redesign** of existing programs, which takes any of the following forms:
  - ⤵ Addition or deletion of a program option. Options are part of program design in which 30-50% of the courses are required as part of a common core for all students, and which offers curriculum alternatives greater than 30% of the total number of credits in the major. Options are appropriate to baccalaureate or masters programs.
  - ⤵ Addition or deletion of a program emphasis. Emphases are part of program design in which more than 50% of the courses are required as part of a common core for all students, and which offers curriculum alternatives with a minimum of nine credits. Emphases are appropriate to associate and baccalaureate programs.
  - ⤵ Change in program name.
  - ⤵ Change in program CIP #.
  - ⤵ Change in TOTAL program credits.
  - ⤵ Change in degree award. For example, changing a B.A. to B.S.
  - ⤵ Creation of a new degree award in a related academic area. Examples include creation of a certificate program from an existing degree program, or a new degree program from an existing degree program (e.g., Art History BA from Art BA.)
3. **Relocation** of an existing program. This is a proposal to move an existing program from one site to be exclusively offered at another site, and requires closing the program offered at the original site. For example, a program offered both on-campus and through extended campus is to be offered only at the extended campus site.
4. **Replication** of an existing program. This is a proposal to offer an existing program at a new site, which may be an existing MnSCU-approved site, or another campus of the same institution. Replicated programs are offered at both the original site and the new location.
5. **Suspension or reinstatement** of a program. This proposal suspends admission of students into an existing program, and is good for three years. Reinstatement proposals request the reopening of student admissions into a given program.
6. **Closure** of a program. This proposal requests closure of an existing program and its removal from an institution's official inventory of academic programs. Unless a department seeks to re-open a suspended program, it should be closed within three years of suspension.

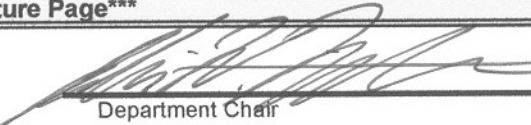


Minnesota State University, Mankato  
Curriculum Proposal

\*\*\*Signature Page\*\*\*

**Department**

Recommended (Category/ies \_\_\_\_\_)  
 Not Recommended (Category/ies \_\_\_\_\_)

  
 Department Chair

4/7/05  
 Date

Comments: Approved by department vote 5 April 2005

**College Curriculum Committee**

Recommended (Category/ies \_\_\_\_\_)  
 Not Recommended (Category/ies \_\_\_\_\_)

Karen C. Chen  
 Committee Chair

4/8/05  
 Date

Comments:

**College Dean**

Recommended (Category/ies \_\_\_\_\_)  
 Not Recommended (Category/ies \_\_\_\_\_)

  
 Dean

4/8/05  
 Date

Comments:

**General Education Subcommittee**

Recommended (Category/ies \_\_\_\_\_)  
 Not Recommended (Category/ies \_\_\_\_\_)

General Education Subcommittee Chair

Date

Comments:

**Undergraduate Curriculum and Academic Policy Committee**

Recommended (Category/ies \_\_\_\_\_)  
 Not Recommended (Category/ies \_\_\_\_\_)

UCAP Faculty Chair

Date

Comments:

**Faculty Association Graduate Committee**

Recommended  
 Not Recommended

Faculty Association Graduate Chair

Date

Comments:

**Graduate Dean**

Recommended  
 Not Recommended

Graduate Dean

Date

Comments:

**Academic Affairs Council**

Recommended (Category/ies \_\_\_\_\_)  
 Not Recommended (Category/ies \_\_\_\_\_)

Assistant Vice President

Date

Comments:

**Senior Vice President and Vice President for Academic Affairs**

Approved (Category/ies \_\_\_\_\_)  
 Not Approved (Category/ies \_\_\_\_\_)

Sr. Vice President / Vice Pres. Academic Affairs

Date

Comments:

## Present

### **COMS 340 (4) Database Management Systems I**

Introduction to the concept of database systems; database models; database management systems; file organization; design of databases using data modeling and normalization; conversion of data model into relational, network, and hierarchical data models; extensive coverage of SQL and implementation of an application using a relational database in a team environment. Pre: COMS 280 F, S

## Proposed

### **COMS 340 (4) Database Management Systems I**

Introduction to the concept of database systems; database models; database management systems; file organization; design of databases using data modeling and normalization; conversion of data model into relational, network, and hierarchical data models; extensive coverage of SQL and implementation of an application using a relational database in a team environment. Pre: ~~COMS 212 or concurrent registration in COMS212~~ F, S

CoReq: