

PROPOSAL TO CREATE, REVISE OR DELETE A COURSE

Department **Math**

(Proposed Course Number) **3338**

Proposed Course Title **Mathematical Modeling**

Nature of Proposed Change	
New Course	<input type="checkbox"/>
Revised Course	<input type="checkbox"/>
Deleted Course	<input type="checkbox"/>
Number Change	<input type="checkbox"/>
Adding Prerequisites	<input checked="" type="checkbox"/>
Description Change	<input type="checkbox"/>
Title Change	<input type="checkbox"/>
Editorial Change	<input type="checkbox"/>
(Old Number _____)	

Common Curriculum Status	
Presently in Common Curriculum	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Now Proposed for Common Curriculum	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
If yes, which Understanding or Skill	_____
Estimated number of seats added or deleted from the Understanding	_____

Rationale (Explain why the change is being proposed, its relation, if any, to the major or minor program, and what curricular improvements will result.):

The prerequisites need to be updated to reflect other curriculum changes.

Curricular Impact Statement (What curricular trade-offs will result if this course is approved?):

n/a

Teaching Resources (Explain any impact on personnel, faculty contact hours, Common Curriculum and other course offerings, and involvement in First Year Seminar.):

n/a

Proposed Bulletin Description:

Formulation, analysis, and interpolation of models arising in the life, physical, or social sciences. The actual source for the models will depend upon the interests of the instructor. Mathematical topics will include one or more of the following areas: linear algebra, differential equations, difference equations, numerical analysis, statistics, stochastic processes, and optimization. Fall.

Prerequisites: MATH 2321, 3336 or 3366, and knowledge of computer programming or consent of instructor.

Present Bulletin Title and Description:

Formulation, analysis, and interpolation of models arising in the life, physical, or social sciences. The actual source for the models will depend upon the interests of the instructor. Mathematical topics will include one or more of the following areas: linear algebra, differential equations, difference equations, numerical analysis, statistics, stochastic processes, and optimization. Fall.

Prerequisite: MATH 2321, 3323, 3336, knowledge of computer programming or consent of instructor.

Instructor(s) <u>Departmental</u>	IS THIS COURSE		
Semester course will first be offered <u>Fall 2008</u>	- cross-listed with another department? If so, which one? _____	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Effective date of change _____	- a prerequisite for another course? If so, which one(s)? _____	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Frequency of offering <u>Every fall.</u>	- part of an interdisciplinary program? If so, which one(s)? _____	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is a similar course offered in another department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	- a prerequisite or specific requirement for a major or minor in another department or program? If so, which one(s)? _____	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If yes, attach explanation.	If any of the above responses is "Yes", have you contacted the appropriate department(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If this course will demand additional library resources, equipment, renovation and/or remodeling, computer facilities and time, or have a significant impact on workload or budget, have you arranged for these resources? Yes <input type="checkbox"/> No <input type="checkbox"/> None required <input checked="" type="checkbox"/>	Can a student enter this course with permission of the instructor without the prerequisite(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are there needs for technological resources not currently available on campus? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			

ROUTING

Please list the appropriate departments that have reviewed and endorsed this proposal: _____

Date: _____

AA (April 2003)