

PROPOSAL TO CREATE, REVISE OR DELETE A COURSE

Department **Math**

(Proposed Course Number) **3336**

Proposed Course Title **Differential Equations and Linear Algebra**

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 checked="" 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.):

Calculus II (MATH 1312) and Calculus B (MATH 1308) cover the same core material needed for Differential Equations and Linear Algebra (MATH 3336). We are also adding a differential equations course (MATH 3366) which may not be taken for credit once a student has taken MATH 3336.

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:

The theory and applications of first order equations, linear second order equations, linear systems of equations, Laplace transforms, the eigenvalue problem, matrix algebra, and vector spaces. MATH 3336 and MATH 3366 may not both be taken for credit.

Prerequisite: MATH 1308 or 1312.

Present Bulletin Title and Description:

First order equations and applications, linear second order equations and applications, linear systems of differential equations and applications, Laplace transforms, systems of linear equations, matrix algebra, vector spaces, and the eigenvalue problem.

Prerequisite: MATH 1312.

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 checked="" type="checkbox"/>	No <input type="checkbox"/>
Frequency of offering <u>Every semester.</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 type="checkbox"/>	No <input checked="" 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)