

PROPOSAL TO CREATE, REVISE OR DELETE A COURSE

Department **Math**

(Proposed Course Number) **3359**

Proposed Course Title **Difference Equations**

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 checked="" 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 course description is slightly antiquated and 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:

Dynamics of first order difference equations, difference equations of higher order, stability analysis, and methods of the Z-transform. Offered infrequently.

Prerequisite: MATH 3336 or 3358.

Present Bulletin Title and Description:

Dynamics of first order difference equations, difference equations of higher order, stability analysis, methods of the Z-transform, chaos, bifurcation, and fractals. Spring, alternate years.

Prerequisite: MATH 3323, 3336.

Instructor(s) <u>Saber Elaydi</u>	IS THIS COURSE
Semester course will first be offered <u>unknown</u>	- cross-listed with another department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If so, which one? _____
Effective date of change _____	- a prerequisite for another course? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If so, which one(s)? _____
Frequency of offering <u>Spring, infrequently.</u>	- part of an interdisciplinary program? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If so, which one(s)? _____
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? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If so, which one(s)? _____
If yes, attach explanation.	If any of the above responses is "Yes", have you contacted the appropriate department(s)? Yes <input type="checkbox"/> No <input checked="" 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)