

PROPOSAL TO CREATE, REVISE OR DELETE A COURSE

Department **Math**

(Proposed Course Number) **3341**

Proposed Course Title **Number Theory I**

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 type="checkbox"/>
Description Change	<input checked="" type="checkbox"/>
Title Change	<input checked="" 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 antiquated and does not reflect the actual subjects being taught in this course. The title change is an aesthetic one.

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:

A study of the arithmetic properties of the ring of integers. Topics may include factorization, modular arithmetic, solution of polynomial congruences, the law of quadratic reciprocity, Diophantine equations, and applications to cryptography. Fall, alternate years.

Prerequisite: Math 2326 or consent of instructor.

Present Bulletin Title and Description:

Linear and Quadratic Congruences. Diophantine Equations. Spring, alternate years.

Prerequisite: Math 2326 or consent of instructor.

Instructor(s) <u>Departmental</u>	IS THIS COURSE
Semester course will first be offered <u>Fall 2009</u>	- cross-listed with another department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Effective date of change _____	If so, which one? _____
Frequency of offering <u>Fall, alternate years.</u>	- a prerequisite for another course? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Is a similar course offered in another department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If so, which one(s)? <u>4342</u>
If yes, attach explanation.	- part of an interdisciplinary program? 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"/>	If so, which one(s)? _____
Are there needs for technological resources not currently available on campus? 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 any of the above responses is "Yes", have you contacted the appropriate department(s)? Yes <input checked="" type="checkbox"/> No <input 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"/>

ROUTING

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

Date: _____

