

# PROPOSAL TO CREATE, REVISE OR DELETE A COURSE

Department **Math**

(Proposed Course Number) **4342**

Proposed Course Title **Number Theory II**

Nature of Proposed Change	
New Course	<input checked="" 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 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.):

**Our majors are constantly searching for courses, offered on a dependable schedule, to meet their 4000 level graduation requirement. This course offers a more in-depth study of a field in which our majors find interest and thus gives our majors another option from which to fill this 4000 level course requirement.**

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

**This course would provide preparation to our students who wish to continue their education in graduate school as well as contribute to our goal to increase the number of 4000 level courses offered by the Mathematics department.**

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

**We do not foresee any increase in contact hours or impacts on course offerings.**

Proposed Bulletin Description:

**Topics beyond MATH 3341, which may include the theory of fractional ideals in number fields, arithmetic functions and Dirichlet series, distribution of primes, and the prime number theorem. Spring, alternate years.**

**Prerequisites: MATH 3341 and MATH 3360 or 3362 or consent of instructor.**

Present Bulletin Title and Description:

**n/a**

Instructor(s) <u>Ryan Daileda</u>	IS THIS COURSE		
Semester course will first be offered <u>Spring 2010</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>Spring, alternate years.</u>	- a prerequisite for another course?	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"/>	If so, which one(s)? _____		
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 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: \_\_\_\_\_

AA (April 2003)