Course Change Request

Date Submitted: 01/06/20 3:43 pm

Viewing: **MATH 400 : History of Math (Topic Varies)**

Transfer Course(s): MATH L400

Last approved: 02/22/19 4:26 am

Last edit: 01/06/20 3:43 pm

Changes proposed by: csausvil

Catalog Pages referencing this course	Department of Mathematical Sciences Mathematics (MATH)
Programs referencing this	SC-BS-MATH: Mathematics, BS

Select modification type:

~~Simple~~

Substantial

Are you completing this form on someone else's behalf?

No

Effective Term: Fall 2020

Subject Code: MATH - Mathematics

Course Number: 400

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: History of Math (Topic Varies)

Banner Title: History of Math (Topic Varies)

Will section titles vary by semester? Yes

Credits: 3

Schedule Type: Lecture

Hours of Lecture or Seminar per week: 3

| **Repeatable:** | May be only taken once for credit, limited to 3 attempts (N3) | **Max Allowable Credits:** | 9 |

Default Grade Mode: Undergraduate Regular

Recommended Prerequisite(s):

Recommended Corequisite(s):

Required Prerequisite(s) / Corequisite(s) (Updates only):
(Math 300 (C or better) or Math 290 (C or better))

Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
	(	MATH 290	C	UG		
Or		MATH 290T	T	UG	)	

Registration Restrictions (Updates only):

Registrar's Office Use Only - Registration Restrictions:

      Field(s) of Study:

      Class(es):

      Level(s):

      Degree(s):

      School(s):

Catalog Description:
Explores internal controversies and dynamics of mathematics in larger intellectual and social settings. Topics vary but might include differential equations devised for mechanics and astronomy by Euler, Lagrange, and Laplace; foundation of mathematical analysis from Cauchy to Weierstrass; algebras of Galois and Boole; or creation of non-Euclidean geometry and Cantor's transfinite sets. Notes: Credits may not be used toward "upper division" math hours required of math majors.

Justification:
We are in the process of changing the course number for Math 290 to Math 300 and I am updating all of the courses that require Math 290 as a prerequisite.

Does this course cover material which crosses into another department?   No

Learning Outcomes:

Attach Syllabus

Additional Attachments

Specialized Course Categories:
  Mason Core

Select the Mason Core Requirement the course is proposing to fulfill:

Foundation Courses:

Exploration Courses:

Integration Courses:
  Synthesis

Synthesis

Course must meet learning outcomes 1 and 2:

  1. Communicate effectively in both oral and written forms, applying appropriate rhetorical standards (e.g., audience adaptation, language, argument, organization, evidence, etc.)

2. Using perspectives from two or more disciplines, connect issues in a given field to wider intellectual, community or societal concerns

Course must meet one additional learning outcome:

  3a) Apply critical thinking skills to evaluate the quality, credibility and limitations of an argument or a solution using appropriate evidence or resources OR

3b) Apply critical thinking skills to judge the quality or value of an idea, work, or principle based on appropriate analytics and standards

I affirm that I have attached the following using the syllabus and attachment buttons provided above: (see "?" for help with submission)

Describe the overall rationale for designating this course as Synthesis Mason Core.
          previously approved

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.
          previously approved

Additional Comments:

Reviewer Comments

Key: 10215