

Course Change Request

Date Submitted: 12/16/20 10:02 am

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

Transfer Course(s): MATH L400

Last approved: 05/13/20 4:41 am

Last edit: 12/16/20 10:02 am

Changes proposed by: csausvil

Catalog Pages referencing this course

[Department of Mathematical Sciences](#)
[Mathematics \(MATH\)](#)

Select modification type:

Substantial

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

No

Effective Term: Spring 2021

In Workflow

1. **MATH Chair**
2. **SC Curriculum Committee**
3. SC Associate Dean
4. Assoc Provost- Undergraduate
5. Registrar-Courses
6. Banner

Approval Path

1. 12/16/20 3:47 pm
David Walnut (dwalnut):
Approved for MATH Chair

History

1. Aug 25, 2017 by pchampan
2. Feb 22, 2019 by Gregory Craft (gcraft)
3. Mar 25, 2020 by Catherine Sausville (csausvil)
4. May 13, 2020 by Tory Sarro (vsarro)

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** (~~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 300	C	UG		
Or	(	MATH 290	C	UG		
Or		MATH 290	XS	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 inactivating Math 290 so we removing it as listed 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