Course Change Request

Date Submitted: 08/18/22 10:17 am

Viewing: MATH 108 : Introductory Calculus with Business Applications

Transfer Course(s): MATH U108

Last approved: 04/17/20 4:38 am

Last edit: 08/18/22 10:17 am

Changes proposed by: jbazaz

IT 102 : Discrete Structures
IT 300 : Modern Telecommunications
IT 341 : Data Communications and Network Principles
IT 488 : Fundamentals of Satellite Communications
MATH 112 : Discrete Mathematics for IT
MATH 125 : Discrete Mathematics I

Select modification type:

Substantial

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

Yes ~~No~~

Requestor:

Name	Extension	Email

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. 08/18/22 12:11 pm Maria Emelianenko (memelian): Approved for MATH Chair

History

1. Aug 25, 2017 by pchampan
2. Oct 30, 2018 by Tory Sarro (vsarro)
3. Apr 16, 2020 by Tory Sarro (vsarro)
4. Apr 17, 2020 by Tory Sarro (vsarro)

Name	Extension	Email
Catherine Sausville	1450	csausvil@gmu.edu

Effective Term: Fall 2022

Subject Code: MATH - Mathematics

Course Number: 108

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Introductory Calculus with Business Applications

Banner Title: Intro Calc:Business Applicatio

Will section titles vary by semester? No

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):

Or MATH 103T

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

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
		MPA2	13			

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:

Functions, limits, derivative, and integral. Applications of differentiation and integration. Notes: **Credit for both MATH 108 and any of the following courses: MATH 113, 115, or 124 will not be given.** ~~Call Mathematical Sciences Department at 703-993-1460 for details.Students who have received credit for MATH 113 or 114 may not receive credit for this course.~~

Justification:

What: Updating the catalog description

Why: Some students have encountered degree requirement issues depending on the order in which they take Math 113 (or equivalent) and Math 108. We would like to fix this, allowing students to have flexibility in changing their major. Students should not get credit for both Math 108 and a Math 113 (or equivalent) since the classes are so similar, however they are not similar enough to have a full equivalency.

What: Adding an additional prerequisite course.

Why: Adding a newly proposed course, MATH 103T, in order to facilitate transfer student processing.

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:
Quantitative Reasoning

Exploration Courses:

Integration Courses:

Quantitative Reasoning

Course must address all of the following learning outcomes:

1. Students are able to interpret quantitative information (i.e., formulas, graphs, tables, models, and schematics) and draw inferences from them.
2. Given a quantitative problem, students are able to formulate the problem quantitatively and use appropriate arithmetical, algebraic, and/or statistical methods to solve the problem.
3. Students are able to evaluate logical arguments using quantitative reasoning.
4. Students are able to communicate and present quantitative results effectively.

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

Additional Comments:

Reviewer Comments

Key: 10139