Course Change Request

Date Submitted: 02/16/23 4:32 pm

Viewing: **MATH 125 : Discrete Mathematics I**

Transfer Course(s): MATH U125

Last approved: 11/04/22 6:03 am

Last edit: 02/16/23 4:32 pm

Changes proposed by: csausvil

Catalog Pages referencing this course

[Computer Science (CS)](#)

[Cyber Security Engineering (CYSE)](#)

Select modification type:

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. 02/16/23 4:26 pm Maria Emelianenko (memelian): Rollback to Initiator
2. 02/16/23 4:49 pm Maria Emelianenko (memelian): Approved for MATH Chair

History

1. Aug 25, 2017 by pchampan
2. Oct 30, 2018 by Tory Sarro (vsarro)
3. May 13, 2020 by Tory Sarro (vsarro)
4. Oct 3, 2020 by Catherine Sausville (csausvil)
5. Nov 4, 2022 by Jennifer Bazaz Gettys (jbazaz)

Substantial

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

No ~~Yes~~

Effective Term:	Summer 2023
Subject Code:	MATH - Mathematics
Bundled Courses:	
Is this course replacing another course?	No
Equivalent Courses:	
Catalog Title:	Discrete Mathematics I
Banner Title:	Discrete Mathematics I
Will section titles vary by semester?	No
Credits:	3
Schedule Type:	Lecture w/Recitation
Hours of Lecture or Seminar per week:	3
Hours of Other Contact Hours per week:	0
Repeatable:	May be only taken once for credit, limited to 3 attempts (N3)

Course Number: 125

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 or Math 123 or Math 115 or Score of 65 or higher on the Math Placement Test ALEKS (MPAK) ~~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			
Or		MATH 103T	T	UG		
Or		MATH 105	C	UG		
Or		MATH 105	XS	UG		
Or		MATH 108	C	UG		
Or		MATH 108	XS	UG		
Or		MATH 113	XS	UG		
Or		MATH 113	C	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:**
Introduces ideas of discrete mathematics and combinatorial proof techniques including mathematical induction, sets, graphs, trees, recursion, and enumeration.

Justification:
What: Updated prerequisite
Why: The software for the Math Placement Test has changed. The score now ranges from 0-100 and the new Banner code is MPAK. Also, I would like to add Math 123 and Math 115 to the list of allowed prerequisite courses. This will increase students ability to register for the class.

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**
   Maria Emelianenko (memelian) (02/16/23 4:26 pm): Rollback: please check