

Course: MTH 138

Course Title: Pre-Calculus Mathematics

Credit Hours: 5

Department: Mathematics

Prerequisite: "C" grade or better in MTH 101 or MTH 103 (Recommended: "B" grade or better in MTH 101 or MTH 103), or appropriate score on the mathematics placement exam.

May also receive credit for this course through Advanced Placement

CORE-42 Category: MATHEMATICAL SCIENCES - Mathematics: Pre-Calculus

MOTR MATH 150

MOTR Hours: 5

Information submitted by a department representative on 4/26/2021 12:11:55 PM – Compiled by Darren Wienberg, Academic Advising & Transfer Center

Typically Offered During:

Fall Full Semester:	YES	Fall 1 st Block:	NO	Fall 2 nd Block:	NO
Spring Full Semester:	YES	Spring 1 st Block:	NO	Spring 2 nd Block:	NO
Summer:	YES				

Typical Instructional Modality:

Traditional (seated):	YES	Blended:	NO	Internet:	YES
Online Video:	NO	Web Conference:	NO		

May Also Count Toward Department Offering:

Major:	NO	Minor:	NO	Certificate:	NO
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Please see online published semester class schedule and undergraduate catalog for detailed course offering information.

How do you describe the course to students when they ask "What is this class about?" (Without using the catalog description)?

One semester prerequisite preparation to study Calculus for qualified students. Course provides the study of the library of algebraic and trigonometric functions and their properties.

Beyond meeting a General Education requirement, what benefits can students realize from choosing this course?

See answer above.

Other than your major/minor/certificate students, what groups of students could find this course relevant to their degree program or career path?

Does not count toward the mathematics major. It is a prerequisite course to study Calculus for student who need it.

Catalog Description (Fall 2022 Undergraduate Catalog)

The course has emphasis on the analytic, graphical, and numerical representations of functions. The focus is on the library of algebraic functions (polynomial, rational, exponential, and logarithmic functions), the library of trigonometric functions, and a high level of algebraic and geometric reasoning in preparation for the study of Calculus (MTH 261). A grade of "C" or better required to enroll in MTH 261 or MTH 287. Cannot receive credit for both MTH 136 and MTH 138 or for both MTH 137 and MTH 138. Cannot count toward the mathematics major or minor. Cannot be taken Pass/Not Pass.