

**Course:** MTH 134

**Course Title:** Algebraic Reasoning and Modeling

**Credit Hours:** 3

**Department:** Mathematics

**Prerequisite:** *Suitable score on the mathematics placement exam or a grade of C or better in MTH 101 or MTH 103.*

**CORE-42 Category:** MATHEMATICAL SCIENCES - Mathematics: Mathematical Reasoning & Modeling

**MOTR MATH 120**

**MOTR Hours:** 3

*Information submitted by a department representative on 4/26/2021 12:02:48 PM – Compiled by Darren Wienberg, Academic Advising & Transfer Center*

**Typically Offered During:**

Fall Full Semester:	YES	Fall 1 <sup>st</sup> Block:	NO	Fall 2 <sup>nd</sup> Block:	NO
Spring Full Semester:	YES	Spring 1 <sup>st</sup> Block:	NO	Spring 2 <sup>nd</sup> Block:	NO
Summer:	YES				

**Typical Instructional Modality:**

Traditional (seated):	YES	Blended:	YES	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)?***

This course is an algebraic reasoning and modeling course designed for Business majors, Nursing majors, and some social science majors.

***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?***

Not for the mathematics students. Course primarily serves Business, Nursing, and Social Science.

***Catalog Description (Fall 2022 Undergraduate Catalog)***

This course focuses on developing and applying concepts of algebra and statistics to real world data and problems. Reasoning skills will be developed as students analyze data sets with descriptive statistics and by creating and analyzing algebraic models to describe the data. The algebraic functions that will be used in modeling include linear, power, exponential and logarithmic. Technology options will be utilized in the analysis of data. Cannot count toward the mathematics major or minor. Cannot be taken Pass/Not Pass.