MTH 150 Syllabus

Peter Keep

Welcome to MTH 150 - Calculus I/Analytic Geometry! This course syllabus will serve as a repository for all of the course details, policies, and any other required information to meet college and state requirements.

This document might be a bit hard to navigate, and it can sometimes be hard to read. We'll try to highlight the most important and essential parts for students on the course website.

1 Faculty and Section Information

1.1 Faculty Information

Table 1.1

Instructor Name:	Peter Keep	Email:	keepp@morainevalley.edu
Office:	A230	Mailbox:	C154
Office Phone:	(708) 974-5614	Testing Center File #:	564

1.2 Office Hours

Office hours this semester are:

- Mondays: 12:30pm-1:30pm
- Tuesdays: 10:30am-12:30pm
- Thursdays: 11:30am-12:30pm

These 4 hours are times when I am *guaranteed* to be in my office.

If I am unavailable during an office hour or need to re-schedule an office hour temporarily, I will post a note on my office door and send a message to the class.

You do not need to set up an appointment or inform me before-hand that you're coming, unless you'd like for me to prepare something specific for our meeting. Otherwise, these are just drop-in hours for students in my courses.

If you would like to meet outside of these times, then we can set up a time that works in both of our schedules.

1.3 Section Information

Table 1.2

Section Number:	007	Room Number:	D125
Meeting Times:	T/Th 12:30pm-2:45pm	Modality:	Traditional
First Class:	08/19/2025	Last Class:	12/04/2025
Final Exam (Part 1):	12/02/2025	Final Exam (Part 2):	12/04/2025

2 Course Information

2.1 Course Identification

Table 2.1

Course Number:	MTH 150
Course Title:	Calculus I/Analytic Geometry
Credit Hours:	5 (Lecture/Demonstration)
Total Contact Hours/Week:	5

2.2 Catalog Description

2.2.1 Prerequisites

Appropriate placement test score, or MTH 141 (College Algebra) and MTH 142 (Trigonometry) with grades of "C" or better.

2.2.2 Course Description

Topics include limits, continuity, the derivative, applications of differentiation, curve sketching, antidifferentiation, and the definite integral. These topics are applied to polynomial, radical, rational, logarithmic, exponential, trigonometric, and hyperbolic functions. Note: No more than five semester hours of credit will be granted to students taking both MTH 145 and MTH 150.

Illinois Articulation Initiative number: MTH 901

2.3 Major Course Concepts

1. Limits and continuity
2. Derivatives
3. Applications of the derivative
4. Antiderivatives and definite integrals
5. Exponential and logarithmic functions
6. Trigonometric and hyperbolic functions

2.4 Expected Outcomes for Student Learning

2.4.1 Course Student Learning Outcomes

Upon completion of this course, a student will be able to:

2.4.2 Common Learning Outcomes

Quantitative Literacy: Uses processes, procedures, data or evidence to solve problems and make effective decisions.

3 Classroom Information