

Course Information

Number:	MS231
Name:	Calculus I
Description:	This course introduces the concepts and techniques of calculus. Topics covered include limits, continuity, derivatives, numerical methods, applications of derivatives, sequences and series.
Credit(s):	3
Offered (DAY schedule):	Every fall semester
Instructor Permission Required:	N
Pre-Requisite(s):	MS120 or equivalent

Course Objectives

"Introduce the student to the basic concepts of Calculus: limit continuous functions, derivatives, and definite integrals.



MS231

Calculus 1
Thomas College

Fall 2018

INSTRUCTOR: Dr. Anne-Marie Thibodeau
e-mail: thibodeaua@thomas.edu
Office: AD110
Ext. 356
Office Hours: M-W-F 10:00–11:00 a.m., T Th 9:15 – 10:45 a.m., or by appt.

TEXTBOOK: ISBN 9780134768762 -- **Thomas' Calculus: Early Transcendentals, Books a la Carte edition plus MyLab Math with Pearson eText -- Access Card Package (14th Edition)**, by Hass, Heil & Weir (**required**).

TECHNOLOGY: MyMathLab

COURSE DESCRIPTION:

This course introduces the concepts and techniques of calculus. Topics covered include limits, continuity, derivatives, numerical methods, applications of derivatives, sequences and series.

COURSE OBJECTIVES:

Upon completion of this course, students will minimally be able to:

- Explain the concept of limit and determine the limit of a function.
- Use properties and techniques for evaluating limits.
- Explain continuity in terms of limits.
- Use the rules for finding derivatives.
- Apply derivatives to rates of change.
- Sketch a function using properties of first and second derivatives.
- Use derivatives to solve problems.
- Explain what a sequence is and determine its limit if it exists.
- Explain what a series is and determine when and if a series converges.

TENTATIVE CHAPTERS COVERED: Chs. 1 – 4 and 10, optional additional material as time permits.

HOMEWORK:

Homework will be assigned and graded. **Homework must be submitted by the class meeting for which it was assigned. Late homework will be graded as '0'**. Homework must be completed in MyMathLab for the designated course; therefore, Access and registration to MyMathLab is required and must be purchased by the 1st week of class.

IF STUDENT HAS NOT CREATED AN ACCOUNT IN MYMATHLAB BY **9/7/2018**, HE/SHE WILL BE DROPPED FROM THIS COURSE.

If two or more weeks' worth of assignments are not submitted in MyMathLab, student will be dropped from this course.

Makeup Exams/Quizzes will not be given except under rare circumstances that will require official documentation (e.g., medical emergency room records), proof that the event was a non-reschedulable EMERGENCY.

GRADING: Assignments: 35%
Exams (3): 45% (each weighted equally)
Final Exam 20%

PLEASE NOTE: Final Exam week is December 10 – 14. **Attendance at Scheduled Final Exam is REQUIRED!**

GRADING RANGE:

94	-	100	A	73	-	75	C
90	-	93	A-	70	-	72	C-
86	-	89	B+	66	-	69	D+
83	-	85	B	63	-	65	D
80	-	82	B-	60	-	62	D-
76	-	79	C+	0	-	59	F

ATTENDANCE:

Class attendance is essential and is expected.

ACADEMIC HONESTY POLICY:

Academic honesty, mutual respect, being on time for class, giving full attention to class work is expected in this course. **Any form of cheating will not be tolerated.** If a student is caught cheating or plagiarizing, an appropriate punishment will be administered, ranging from a failing grade on the specific project/homework/quiz/exam to failure of the course. Academic misconduct is defined in Thomas College Course Catalog, Pg. 47. Excerpts from same are as follows:

Plagiarizing. According to the 2009 *MLA Handbook*, “to plagiarize means to ‘to commit literary theft’ and to ‘present as new and original an idea or product derived from an existing source’ (Merriam-Webster’s Collegiate Dictionary [11th ed.; 2003; print]) (52). The *Handbook* continues, “Plagiarism involves two kinds of wrongs, using another person’s ideas, information, or expressions without acknowledging that person’s work constitutes intellectual theft. Passing off another person’s idea’s, information, or expressions as your own to get a better grade or gain some other advantage constitutes fraud.” (52)....

Aiding and abetting plagiarism. Permitting others to use your work.

Recycling your own work. Submitting, without permission, in one course work originally done for another.

Cheating. Copying from another student’s exam paper; permitting others to copy one’s work; bringing unauthorized material to exams; accepting or giving unauthorized assistance on coursework and/or assignments.

STUDENTS WITH DISABILITIES

Students requiring academic accommodations to be successful in this course are encouraged to arrange a meeting with the Academic Dean as soon as possible. At that meeting, strategies for success will be discussed, as well as any accommodations required for the classroom, which will then be communicated with the instructor.

USE OF ELECTRONIC DEVICES IN THE CLASSROOM:

It is expected that all personal electronic devices (e.g., cell/smart phones, personal laptops, PDA's, MP3 players, cameras, tablets, IPADS, etc.) will be **turned off and packed away during class sessions**. Students may not post ANY material from classes on the internet or other personal networking sites without the explicit, written permission of the instructor and all other class participants. The use of technology in class will be strictly limited to appropriate, course relevant use. All other uses (including, but not limited to, **texting, emailing, instant messaging, social networking, and listening to IPods**) are **prohibited** unless specifically approved by the course instructor. Penalties for violation of this policy will result in removal from the class and repeated violations may result in failure of the course. **Personal electronic devices will be collected at the start of class on the day of an exam and will be returned upon receipt of completed exam.**

Students must have both their Thomas computer and Moodle accounts established the first week of class. Please contact IT services to do so if that has not already been established.

ADD/DROP DATES

Oct. 29th is the last day to drop a course for Fall semester 2018.