

MA 163 Calculus 2, Winter 2024
JAMR 2319 MWRF 9:00 – 9:50 am
TSB 2901 MWRF 1:00 – 1:50 pm

Professor: Dr. Linda Lawton

Email: llawton@nmu.edu

Office Hours: Jamrich 2206; posted in EduCat

Text: Calculus Early Transcendentals, Rogawski

Course description: The study of advanced integration techniques, infinite sequences, series, and power series, and the applications of these topics.

Prerequisite: Satisfactory (C- or better) completion of MA 161 or equivalent.

Learning Objectives:

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

- select and apply advanced integration techniques, including integration by parts, partial fractions, trigonometric substitution, and limits. (CO1)
- select and apply various convergence and divergence tests to analyze sequences, series, and power series. (CO2)
- use integration techniques, differential equations, and power series to model and solve common problems in applied mathematics and basic physics. (CO3)

Class work

- “Class work” includes homework assignments in Achieve (online platform linked to EduCat), EduCat quizzes & worksheets, and in-class quizzes / worksheets / participation / etc..
- **You will need to register for access to Achieve, which will include access to the ebook version of the text. If you want a hard copy of the text, I recommend finding an older edition on an e-commerce site devoted to selling textbooks**
- **Note that to receive credit for the work you do for Chapter 7 in Achieve, you will need to submit your “work” to EduCat for most of the assignments in Chapter 7.**

Exams: We will have four exams and a comprehensive final. To receive a passing grade for the course, you need to earn at least 60% on the comprehensive final exam.

Breakdown:

Exam 1:	15%	
Exam 2:	12%	
Exam 3:	8%	
Exam 4:	10%	
Final:	35%	(comprehensive-ish)
Class work:	20%	

Grade scale:

91 – 100%	= A
81 – 89%	= B
71 – 79%	= C
61 – 69%	= D
< 60%	= F

Course Communication

This is the section in which, for an online course, I tell you how to contact me and when to expect a response, among other things. This is not an online course. While I will post quite a bit on EduCat (and normally do so), I expect our primary form of communication to take place during class.

Having said that . . .

- Email Response Timeline - You can expect an answer to email within 48 hours – usually within 24. If you get no response from me within 3 days, then you know I haven't seen the communication. Somehow I have missed it. Send it again, please! This won't hurt my feelings, as I want to provide the best possible feedback, but I am human and occasionally miss things. And sometimes emails go into some kind of "cyber black hole" and are never received.
- When Grades will be Posted – About a week after exams.
- And if things change and we need to go virtual for any length of time, check your email and / or EduCat Announcements for instructions

About me:

Normally I am a rather informal, laid back person—i.e. easy to deal with. (Even my husband agrees with this.) But there are a few things which tend to make me grumpy—i.e. difficult to deal with. Here's a short list (keep in mind this was developed while teaching "Math for People Who Hate Math But Have to Have One to Graduate"):

1. bad attitudes
(Please don't just sit in the back glaring at me—pretend you are enjoying yourself!!)
2. homework (or other) questions right before class starts
(I want to provide you with clear, understandable lectures, but I am easily distracted. I need that time to focus before I start class.)
3. repeatedly skipping class and expecting me to "lecture" during office hours
(I don't mind covering the material with you in my office, but there is only so much we can cover in one sitting.)
4. point grubbing
(When I grade quizzes and tests I go through all the papers twice to ensure that equivalent credit is given to equivalent work. If you feel I have made an error, please submit a written request for me to review the matter.)
5. cheating, etc.
Cheating will result in failure of not only the exam / assignment, but also the course.

If you have a need for disability-related accommodations or services, please inform the Coordinators of Disability Services in the Dean of Students Office at 2001 C. B. Hedgcock Building (906-227-1737 or disability@nmu.edu). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and university guidelines.

As always, but particularly in light of current global conditions

This syllabus is subject to change with notice.