SYLLABUS
Calculus I - Math 1141, Section 4
Fall 2020

Professor:	Dr. Mark Demers Phone: (203) 254-4000 Ext. 2252
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Lectures: NHS 410: Mondays & Thursdays, 2:00 p.m. – 3:15 p.m.
On Zoom: Wednesdays, 2:00 – 2:50 p.m.

Office Hours: Mondays, 4:00 – 5:00 p.m., on Zoom
Tuesdays, 4:00 – 5:00 p.m., on Zoom

Required Text: Calculus, Early Transcendentals, 9th edition, by James Stewart. Published by Brooks/Cole.
ISBN 978-1337613927

Class Website: **http://faculty.fairfield.edu/mdemers/MA1141** Bookmark it!
This is a valuable resource that contains the weekly problem sets, links to class lectures, and important information regarding upcoming exams.

WebAssign: **http://webassign.com**
This website contains the online homework system we will use this semester. You will need the following information to link to this course.
Instructor: Mark Demers   Section: Math 1141, section 04
Class Key: fairfield 6514 0572

Outline of Topics

Week		Sections	Material Covered
1	9/2	1.1 – 1.5	Review of essential functions and their properties
2	9/8	2.1, 2.2, 2.4	Tangent, velocity and definition of limit
3	9/14	2.3, 2.5, 2.6	Limit laws, continuity, limits at infinity
4	9/21	2.7, 2.8	Derivatives and rates of change
5	9/28	3.1	Power rule; FIRST EXAM
6	10/5	3.1 – 3.3	Product and quotient rules; derivatives of exponential and trig functions
7	10/12	3.4, 3.5	Chain rule, implicit differentiation
8	10/19	3.6, 3.10, 3.11	Derivatives of logarithms; hyperbolic functions; linear approximation
9	10/26	4.1	SECOND EXAM; Maximum and minimum values
10	11/2	4.2 – 4.4	First/second derivative tests; Mean Value Theorem; L'Hospital's Rule
11	11/9	4.9, 5.1	Antiderivatives; area and distance problems
12	11/16	5.2 – 5.4	Definite and indefinite integrals; Fundamental Theorem of Calculus
13	11/23		Thanksgiving break
14	11/30	5.5	THIRD EXAM; Substitution
15	12/7	5.5	Substitution; Review for final exam

This outline is only a broad indication of topics to be covered and may fluctuate depending on our pace during the term. The numbered sections refer to the required text for the class. There may be additional handouts during the course of the term that contain required material. It is your responsibility to remain informed about what is going on in class and to obtain notes from classes you miss during the semester.

Course Content and Class Meetings

I will pre-record all lectures and post them online via DropBox. Links to the lectures for each week's material will be posted on the course website, http://faculty.fairfield.edu/mdemers/MA1141. You are expected to view the videos **before** coming to class each week.

We have class meetings three times per week. Since all new material will be contained in the recorded lectures, we will run our class meetings as recitation sections, focusing on doing practice problems similar to those assigned for homework.

I will split the class into two groups, Group A and Group B. Group A will attend class on Thursday of each week, and Group B will attend class on Monday of each week. This will allow us to keep an appropriate distance in the classroom with only about 10 students in class at one time. On Wednesdays, we will meet via Zoom and the full class should be in attendance virtually.

The in-person sessions on Mondays and Thursdays are not required. If you feel more comfortable learning at a distance and not entering the classroom, you do not have to attend the in-person classes. However, you should still attend the Wednesday Zoom sessions, watch all the videos, and attend office hours by Zoom when you have questions.

After Thanksgiving, there will be no in-person classes, and all classes will be held virtually on Zoom.

Problem Sets

Problem sets will be assigned each Wednesday and will be due the following Wednesday. The problem sets will be posted on the class website so that you may refer to them at your convenience. Weekly assignments will be assigned and completed through the online system, WebAssign. WebAssign grades all problems assigned and for each assignment, you may submit your answers up to 5 times to earn full credit. You are invited to attend office hours and ask questions about the material in order to complete the assignments. You are also encouraged to form study groups and work with other students in the class if you find that helpful. But all work you submit must be your own. Please refer to the Fairfield Honor Code or ask me if you need further clarification on this issue.

Exams

There will be three 50-minute exams given during the semester and a Final Exam given at the end of the semester. All exams will be open-book exams; however, you may not communicate with any other person during the exam, or use external web resources. Each exam (except the Final) is scheduled during a Wednesday class and will be given remotely. All students are required to remain logged into our Zoom class for the duration of the exam with your camera on and you in full view.

I will email you the exam questions at the beginning of the exam period. You will write your answers on paper, and scan them into a single pdf file. Then either email them back to me or upload the scanned document to Blackboard by the end of the exam period. I will give an extra 10 minutes at the end of the exam period for you to upload your papers.

Attendance for all exams is mandatory and make-ups will be given only for absences due to documented illness or other valid reasons. You must notify me **in advance** if you plan to miss an exam for an official university event.

Exam questions are intended to be comprehensive and may not closely resemble homework problems: For example, ideas from several sections in your text may be combined in a single exam question. The scheduled dates for the exams are as follows.

Exam 1: Wednesday, September 30
Exam 2: Wednesday, October 28
Exam 3: Wednesday, December 2
Final Exam: Monday, December 21, 3:00 – 6:00 p.m.

I will notify you as soon as possible if there are any changes in the exam schedule. Important announcements will also be posted on the course website.

Calculators

Calculators will be allowed on exams, but you must support all answers with clear and valid reasoning. Unsupported answers will be given no credit.

Grading

Your final grade will be determined by the following weighted average, after dropping your lowest homework grade.

Exam 1:	18%		Problem Sets:	20%
Exam 2:	18%		Final Exam:	26%
Exam 3:	18%			

Students with Disabilities

If you require special accommodations during classes or exams, please contact the Office of Accessibility within the Academic Commons located in the Library, (203) 254-4000 Ext. 2615, or email ooa@fairfield.edu. Please notify me within two weeks of the start of the semester of any arrangements you make regarding accommodations.