



Note to Instructor: Replace the placeholder text beneath the headings with the appropriate information for your course. Please note that all sections, with the exception of "Other Course Information," are required elements.

Basic Course Information

Semester:	WINTER 2022	Instructor Name:	ERIC LEHTONEN
Course Title & #:	M192 CALCULUS I	Email:	eric.lehtonen@imperial.edu
CRN #:	20540	Webpage (optional):	
Classroom:	2728	Office #:	2763
Class Dates:	2/14/22 -6/8/22	Office Hours:	MW 6:00-7:00 PM
Class Days:	M 7:00- 9:15 PM W 7:00-9:15 PM(Zoom)	Office Phone #:	(760)355-6522
Class Times:	7:00-9:15 PM	Emergency Contact:	(619)517-3742
Units:	4	Class Format:	Hybrid

Course Description

A first course in differential and integral calculus of a single variable: functions; limits and continuity; techniques and applications of differentiation and integration; Fundamental Theorem of Calculus. Primarily for Science, Technology, Engineering & Math Majors. (C-ID MATH 210) (UC credit limited. See a counselor.) (CSU/UC)

Course Prerequisite(s) and/or Corequisite(s)

A. PREREQUISITES, if any:

MATH 190 or equivalent with a grade of "C" or better, or appropriate placement as defined by AB705.

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. Demonstrate problem solving strategies by identifying an appropriate method to solve a given problem, correctly set up the problem, perform the appropriate analysis and computation, and share their interpretation of the conclusion or the outcome, using correct grammar or in an oral presentation. This outcome will be assessed through selected exercises on exams throughout the semester.



Course Objectives/

Upon satisfactory completion of the course, students will be able to:

1. Compute the limit of a function at a real number
2. Determine if a function is continuous at a real number
3. Find the derivative of a function as a limit
4. Find the equation of a tangent line to a function
5. Compute derivatives using differentiation formulas
6. Use differentiation to solve applications such as related rate problems and optimization problems
7. Use implicit differentiation
8. Graph functions using methods of calculus
9. Evaluate a definite integral as a limit
10. Evaluate integrals using the Fundamental Theorem of Calculus
11. Apply integration to find area

Textbooks & Other Resources or Links

- Stewart, James 2015. *Calculus: Early Transcendentals* 8th. Brooks/Cole ISBN: 9781285741550.
- Course Requirements and Instructional Methods
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Course Requirements and Instructional Methods

Calculator:

Scientific calculator: TI-30 or equivalent, **NO GRAPHING CALCULATORS!**

The course will be in a standard lecture format.

Grading

Tests 60%. There will be 4 chapter tests. You will be allowed to drop the lowest test.

Final Exam 30%. There will be a comprehensive final exam.

Quizzes. There will be regular quizzes on CANVas. They will be based on the homework.



I WILL NOT COLLECT THE HOMEWORK. THE FIRST STUDENT TO ASK WILL BE MADE FUN OF.

NOTE: ALL TEST WILL BE IN THE CLASSROOM.

Course Policies

Take this nonsense with a grain of salt, EXCEPT FOR THE PART ABOUT ACADEMIC HONESTY.

Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

Classroom Etiquette

ONLY ONE REAL RULE: DON'T MAKE MAD.



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- Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed.
 - Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the General Catalog.
 - Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Academic Honesty

- Plagiarism is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to 'cite a source' correctly, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment



or portion of an assignment; (e) using a commercial term paper service.

Additional Help – Discretionary Section and Language

- Blackboard support center: <http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543> (Links to an external site.)
- Learning Labs: There are several ‘labs’ on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Study Skills Center (library). Please speak to the instructor about labs unique to your specific program.
- Library Services: There is more to our library than just books. You have access to tutors in the Study Skills Center, study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313, if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see <http://www.imperial.edu/students/student-health-center/>

[\(Links to an external site.\)](#)



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. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities, please refer to the IVC General Catalog available online at http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762

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[\(Links to an external site.\)](#)

Information Literacy

Required Language: Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at <http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/>

[\(Links to an external site.\)](http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/)

IVC Student Resources

Anticipated Class Schedule/Calendar

Week 1

Date or Week	Activity, Assignment, and/or Topic
FEB 14	Introduction 2.1,2.2
FEB 16	2.3



FEB 21	HOLIDAY
FEB 23	2,4
FEB 28	2.5,2.6
MAR 7	2.7,2.8
MAR 9	REVIEW
MAR 14	TEST 1
MAR 16	3.1,3.2
MAR 21	3.3
MAR 23	3.4,3.5
MAR 28	3.6,3.8
MAR 30	3.9
APR 4	3.10,3.11
APR 6	REVIEW
APR 11	TEST 2
APR 13	4.1
APR 18	SPRING BREAK
APR 20	SPRING BREAK
APR 25	4.2,4.3
APR 27	4.4,4.5
MAY 2	4.7,4.8
MAY 4	REVIEW
MAY 9	TEST 3
MAY 11	4.9,5.1,5.2
MAY 16	5.3,5.4
MAY 18	5.5
MAY 23	REVIEW
MAY 25	TEST 4
MAY 30	HOLIDAY
JUN 1	FINAL REVIEW
JUN 6	FINAL EXAM
JUN 8	

*****Subject to change without prior notice*****



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