IMPERIAL VALLEY COLLEGE

Basic Course Information

Semester:	**Spring 2022**	Instructor Name:	**Jill Nelipovich**
Course Title & #:	**Math 194**	Email:	**Jill.nelipovich@imperial.edu**
CRN #:	**20481**	Webpage (optional):	**Canvas**
Classroom:	**2723**	Office #:	**2768**
Class Dates:	**2/14/22 – 6/10/22**	Student Hours: (Text/Email/Zoom) =(T/E/Z)	1. Monday: 9:00 – 9:30 T/E/Z 2. Tuesday: 7:30 – 8:00 am (2723) 1:30 – 2:30 (2768) 3. Wednesday: (T/E/Z) 8:00 – 9:00 a.m. 8:00 – 9:00 p.m. 4. Thursday: 7:30 – 8:00 am (2723)
Class Days:	**T/TR**	Office Phone #:	**760-355-6297 (cell in canvas)**
Class Times:	8:00 – 10:05	Emergency Contact:	**760-355-6201**
Units:	4	Class Format:	In person/Hyflex

Welcome Students! The Spring semester will be fun – we actually get to meet IN PERSON! YAY! The benefit to in person learning is HUGE! I want to see you succeed in this class and your next class and at the university!

Your first assignment – eat healthy, take your vitamins and exercise frequently! Keep your immune system healthy and strong.
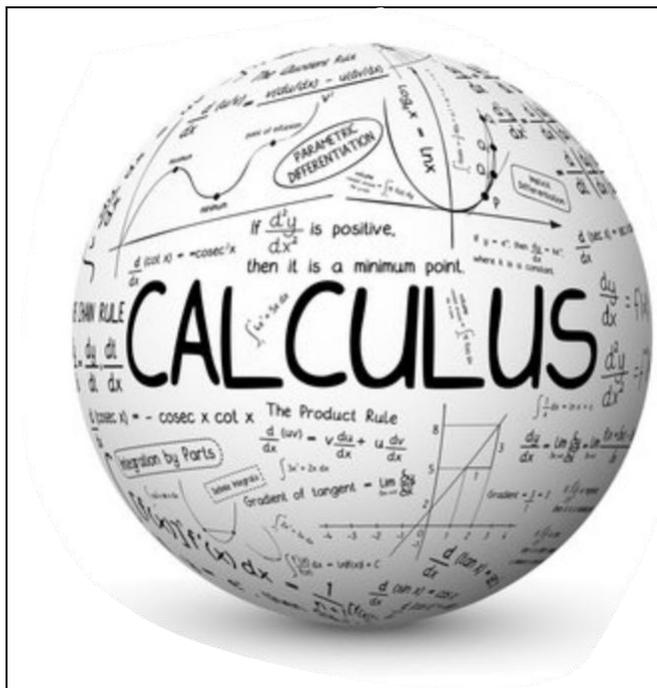
Do you remember all that trigonometry you learned not so long ago?

Well, we get to remember much of that trig – especially the identities (my favorite part)

My job: To be available for you and to help you both learn and succeed.

What does success mean?
• Doing well in this course AND
 • Succeeding in the next course (Math 210, 220)

I'm not going to sugar coat it – if your success in Math 192 included alternate sources, you will have some catching up to do.
Again – we want you to succeed at the university!
 Guess what? You need to know some of the stuff you learned at IVC 😊 If you are in that position, make sure you allot additional study time.

Course Description

Welcome to the _**wonderful world of calculus**_! Inevitably, you have learned Trigonometry, Pre-Calculus, and Calculus I online. If you need to re-learn some of the mathie stuff you learned before, now is the time to do it! Make sure you allot extra time to ensure you learn the material well and you succeed at the university 😊

A second course in differential and integral calculus of a single variable: integration; techniques of integration; infinite sequences and series; polar and parametric equations; applications of integration. Primarily for Science, Technology, Engineering & Math Majors. (C-ID MATH 220) (CSU/UC)

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

MATH 192 with a grade of "C" or better.

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.

Textbooks & Other Resources or Links

Required: Stewart, James 2016. Calculus: Early Transcendentals8th. Cengage Learning ISBN: 9781285741550

Course Objectives

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

1. Evaluate definite and indefinite integrals using a variety of integration formulas and techniques
2. Apply integration to areas and volumes, and other applications such as work or length of a curve
3. Evaluate improper integrals
4. Apply convergence tests to sequences and series
5. Represent functions as power series
6. Graph, differentiate and integrate functions in polar and parametric form

Course Requirements and Instructional Methods

Projects: There will be projects assigned throughout the semester. The projects are designed to help you think more deeply about solving math problems. You may work as a group or individually.

Quizzes: Quizzes will be given either weekly or bi-weekly basis. This will often be done in class or on Canvas – and you may work with your peers.

Exams: There are four exams in the semester where you are given the opportunity to share your knowledge and what you have learned.

The exams must be done in person either during class time or at a place on campus where we give tests. I will offer two or three exam times on a given day. If you are out of town, there are testing centers near where you live where you can take your test. If this is absolutely not possible, your computer must have a webcam turned on and I will use an online test proctoring program.

Final Exam: The final exam is cumulative. The emphasis will be on the latter chapters.

Course Grading Based on Course Objectives

Projects …………………….……………………20%

Homework & Quizzes..……….………………….....5%

Quizzes…………………………………………….5%

Exams……………………………………………..45%

Final……………………………………………….25%

To be assured the grade you want to earn:

A: $90\% \leq x$

B: $80\% \leq x < 90\%$

C: $70\% \leq x < 80\%$

D: $60\% \leq x < 70\%$

F: $60\% > x$

Course Policies

1. Have a lot of fun! Learning is no fun if you stress about learning! Always have a positive attitude. Stop, think, and relax! Allow your mind to be creative, give yourself permission to fail and embrace your success!
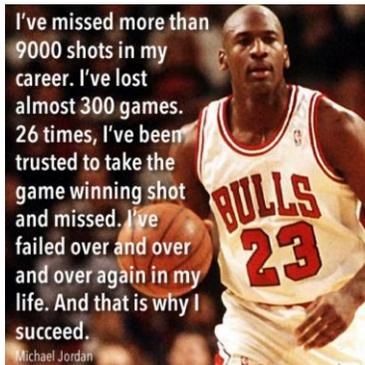
2. Come to class AND participate in class! It doesn't do you, your peers or myself any good if you are texting throughout class and your mind is concentrated on your weekend rather than "the now".
3. Do a little bit of work each and every day. 1% improvement each day equates to a lot of time spent learning (learning is different than studying) – it is productive studying!

Other Course Information

Last Day to add; 2/26/22

Last Day to Drop with a W: 5/14/22

IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit http://www.imperial.edu/studentresources or click the heart icon in Canvas.

Anticipated Class Schedule/Calendar

Date or Week	Activity, Assignment, and/or Topic
Week 1 Feb 14 – Feb 18	Syllabus, Introduction, Chapter 6.1 Chapter 6.2
Week 2 Feb 21 – Feb 25	Chapter 6.3 Chapter 6.4
Week 3 Feb 28 – Mar 4	Review Exam 1
Week 4 Mar 7 – Mar 11	Chapter 7.1 Chapter 7.2
Week 5 Mar 14 – Mar 18	Chapter 7.3 Chapter 7.4
Week 6 Mar 21 – Mar 25	Chapter 7.5 Chapter 7.8
Week 7 Mar 28 – Apr 1	Review Exam 2
Week 8 Apr 4 – Apr 8	Chapter 10.1, 10.2 Chapter 10.3, 10.4
Week 9 Apr 11 – Apr 15	Chapter 10.5 Chapter 10.6
Apr 18 – Apr 22	Spring Break
Week 10 Apr 25 – Apr 29	Review Exam 3
Week 11 May 2 – May 6	Chapter 11.1, 11.2 Chapter 11.3, 11.4
Week 12 May 9 – May 13	Chapter 11.5, 11.6 Chapter 11.7, 11.8
Week 13 May 16 – May 20	Chapter 11.9, 11.10 Chapter 11.11
Week 14 May 23 – May 27	Catch up Review
Week 15 May 30 – Jun 3	Exam 4 Review
Week 16 Jun 6 – Jun 10	Final Exam (we will decide which day as the day approaches)

Subject to change without prior notice