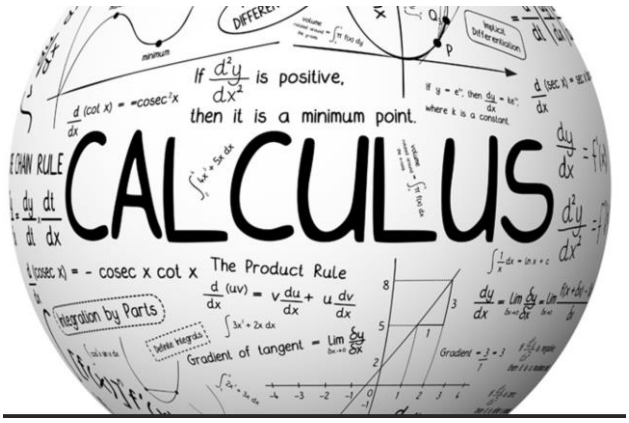
IMPERIAL VALLEY COLLEGE

Basic Course Information

Semester:	**Fall 2021**	Instructor Name:	**Jill Nelipovich**
Course Title & #:	**Introduction to Calculus with Applications**	Email:	**jill.nelipovich@imperial.edu**
CRN #:	**10973**	Webpage (optional):	**Canvas**
Classroom:	**OL – ZOOM** In Canvas – look for the icon: **Jill's Virtual Class**	**Office #:**	**Zoom link in Canvas** (Jill's Student Time) **On Campus: 2768**
Class Dates:	8/16/21 – 12/11/21	**Student Hours:**	M: 9:00 – 9:30 T: 11:00 – 1:00 W: 8:30 – 9:30 Tr: 5:30 – 6:00 *Please text me for other appointment times. I am most always available, including weekends
Class Days:	T/TR	Office Phone #:	760-355-6297 *Cell # in Canvas
Class Times:	1:00 – 3:05	Emergency Contact:	Silvia Murray: 760-355-6201
Units:	4	Class Format:	Online - zoom

Welcome Students 😊 **The fall semester will be a new experience for all of us. First "assignment" in this class is to stay healthy and exercise frequently. Exercise creates a healthy immune system.**



Remember all that trigonometry you learned so well? Well, we get to remember much of that trig!

My job: To be available for you and to help you both learn and succeed in a remote environment.

What does success mean?

- Doing well in this course

  AND

  Success at the "next level"

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Anticipated Class Schedule/Calendar

Exam Windows: You will have **2 hours 30 minutes** for each exam, including uploading your work.

Exam 1: 9/16/21 8:00 a.m. to 9/16/21 11:59 p.m.
Exam 2: 10/21/21 8:00 a.m. to 10/21/21 11:59 p.m.
Exam 4: 12/02/21 8:00 a.m. to 12/02/21 11:59 p.m.

Final exam:
12/8/21 3:00 p.m. to 12/9/21 11:59 p.m.

Date or Week	Activity, Assignment, and/or Topic	Date or Week	Activity, Assignment, and/or Topic
8/17	Syllabus, 1.1, 1.2	10/12	6.3, 6.4
8/19	1.2, 1.3	10/14	6.5
8/24	2.1, 2.2	10/19	6.6, Review 😊
8/26	2.3, 2.4	10/21	**Exam 2**
8/31	2.5, 2.6	10/26	7.1
9/2	3.1, 3.2	10/28	7.2, 7.3
9/7	3.3	11/2	7.4
9/9	3.4	11/4	7.5, 7.6
9/14	3.5, Review	11/9	8.1, 8.2
9/16	**Exam 1**	11/11	Holiday
9/21	4.1, 4.2	11/16	8.3, 8.4
9/23	4.3, 4.4	11/18	9.1, 9.2
9/28	4.5	11/23	holiday
9/30	5.1, 5.2	11/25	holiday
10/5	5.3, 5.4	11/30	9.3, Review
10/7	6.1, 6.2	12/2	**Exam 3**
		12/7	Final Exam Review
		12/9	Review

Course Format:

This course will consist of three options for delivery:

1. Zoom Class - Tuesday/Thursday at 1:00 – 3:05 p.m.
2. Class attendance is **highly recommended**! – If anything, to keep you on track. It will be a space you can ask lots of questions. I will record most sessions (if people attend).
3. For 2 or 3 sections in the course, I will provide a video lecture rather than a zoom experience.

Course Description

In this course, students will prepare for courses for which calculus is recommended and/or required and study the ideas and concepts of advanced mathematics as applied to a modern computerized society. Topics covered include pre-calculus concepts, functions, differentiation, integration, differential equations, and functions of several variables. (CSU) (UC credit limited – see a counselor.)

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

Prerequisite: Appropriate placement as defined by AB705 or, MATH 150 with a grade of "C" or better.

Student Learning Outcomes

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. (ILO1, ILO2)

Course Objectives

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

1. Demonstrate an understanding and comprehension of basic ideas and elementary concepts of algebra.
2. Demonstrate an understanding of functions and intuitive understanding of limits.
3. Demonstrate an understanding and a working knowledge of the derivative.
4. Demonstrate proficiency in problem solving when dealing with applications of differentiation.
5. Distinguish the various approaches when solving integration problems.
6. Demonstrate the ability to solve problems in a step-by-step manner when dealing with application of integration.
7. Demonstrate an understanding of logarithmic and exponential functions, and differential equations, and their use in applications.
8. Analyze functions of several variables.

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Textbooks & Other Resources or Links

1. Required: Calculus with Applications, Brief Version, 11e by Lial, Greenwell, and Ritchey. ISBN-13: 978-0321979421

2. You should at least have a scientific calculator, but a basic graphing calculator such as the ti-83/84 that we rent on campus will work well. Make sure that your calculator cannot do symbolic manipulation. Those calculators will not be allowed on exams. You can also download one for your computer.

Course Requirements and Instructional Methods

How will the class be structured in the online modality?

ONLINE COURSE STRUCTURE

1. Guided Lecture Notes: Chapter 1

2. Video Lectures

3. Zoom class (optional, but **highly recommended** - I will post the zoom class video)

4. Projects/Discussion Boards – We may find an interesting topic or two to discuss

5. Quizzes – from lecture, video lectures and/or homework

6. Online Exams

What will I have to do to be successful in an online learning environment?

- It will be imperative you keep up with the course and stay disciplined.
- Dedicate a time each day to watch videos and do homework. It is best if you break it up into multiple small intervals. This gives your brain some rest time.
- Attend our virtual "zoom" T/TR 1:00 – 3:05. We usually stay on for 1 to 1.5 hours. These are not mandatory and will be recorded.
- Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement. This equates to _____ hours per week outside of our "class time".

Course Grading Based on Course Objectives

Quizzes……..10%
Discussions/Projects…. ……5%
Exams (3) (Canvas)……..60%
Final Exam…….…..25%

Total …….……100%

**** There is no make-up for exams. If you miss an exam, you will be provided a longer final to accommodate for the missing assessment. ONLY DOCUMENTED EXCUSED absences will be considered!**

Course Policies

ATTEND CLASS – I do mention important math and format in class. If you miss class, it is your responsibility to watch the lecture and/or read the announcements.

PAY ATTENTION WHEN IN CLASS. I get really bored when there is silence on Zoom! Please keep me and each other entertained!

Keep up with the homework and quizzes. If you fall behind, catching up is difficult!
Self-motivation is a must!
Do your homework **before** the next class session. Attend office hours and/or text when you can make it
Be respectful of your classmates. Show up on time and ready to learn.

Have fun! Remember – Business Departments expect students to remember the pre-requisite knowledge.

Academic Integrity

There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

- Plagiarism is taking and presenting as one's owned 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.
- Exams – I expect you to do your own work! Do not go to Chegg, Slater, your high school math teacher, your best friend, a math major. to find solutions to problems. One of the greatest indicators students do not do their own work is when multiple students turn in work for solving a problem at a level that is much higher than they are currently enrolled. Please, do not cheat yourself. You do not want to be in the position of not knowing material at a university and deal with the ramifications then.

Anyone caught cheating or plagiarizing 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 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.

How do I show academic honesty and integrity in an online "classroom"?

- **KEEP YOUR PASSWORDS CONFIDENTIAL.**
  - You have a unique password to access online software like Canvas. Never allow someone else to log-in to your account.
- **COMPLETE YOUR OWN COURSEWORK.**
  - When you register for an online class and log-in to Canvas, you do so with the understanding that you will produce your own work, take your own exams, and will do so without the assistance of others (unless directed by the instructor).

Examples of Academic Dishonesty that can occur in an online environment:

- Copying from others on a quiz, test, examination, or assignment.
- Allowing someone else to copy your answers on a quiz, test, exam, or assignment.
- Having someone else take an exam or quiz for you.
- Conferring with others during a test or quiz (if the instructor didn't explicitly say it was a group project, then he/she expects you to do the work without conferring with others).
- Buying or using a term paper or research paper from an internet source or other company or taking any work of another, even with permission, and presenting the work as your own.
- Excessive revising or editing by others that substantially alters your final work.

- Sharing information that allows other students an advantage on an exam (such as telling a peer what to expect on a make-up exam or prepping a student for a test in another section of the same class).
- Taking and using the words, work, or ideas of others and presenting any of these as your own work is plagiarism. This applies to all work generated by another, whether it be oral, written, or artistic work. Plagiarism may either be deliberate or unintentional.

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.

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