

### Basic Course Information

Semester:	<b>Fall 2015</b>	Instructor Name:	<b>Jill Nelipovich</b>
Course Title & #:	<b>Calculus I</b>	Email:	<b>jill.nelipovich@imperial.edu</b>
CRN #:	<b>10136</b>	Webpage (optional):	<b>Blackboard</b>
Classroom:	<b>2725</b>	Office #:	<b>2768</b>
Class Dates:	<b>8/17/15 - 12/9/15</b>	Office Hours:	<b>M: 9:45 - 10:15; 3:30 - 5:00p.m. T: 2 - 2:30 p.m. W: 5:00 - 6:00 p.m. Th: 7:30 - 8:00 a.m.</b>
Class Days:	<b>MW</b>	Office Phone #:	<b>760-355-6297</b>
Class Times:	<b>6:30 p.m. - 9:00 p.m.</b>	Emergency Contact:	<b>Math Office: 760-355-6155</b>
Units:	<b>5</b>		

### Course Description

Concepts dealing with limits, continuity, differentiation and applications, integration and applications, exponential and logarithmic functions, and other transcendental functions will be covered.

### 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. Be able to use substitution to find the anti-derivative of a composite function (ILO2)
2. Demonstrate ability to anti-differentiate simple functions (ILO2)
3. Be able to set up and solve optimization problems of a single variable (ILO1, ILO2, ILO4)
4. Be able to compute limits for simple functions (ILO2)
5. Be able to apply the chain rule for a function of a single variable (ILO2)

### Course Objectives

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

1. Demonstrate skills in understanding the concept of limit and be knowledgeable in finding limits.
2. Demonstrate an understanding and working knowledge of the derivative.
3. Demonstrate proficiency in problem solving when dealing with applications in differentiation.
4. Demonstrate knowledge in anti-differentiation
5. Demonstrate an understanding and a working knowledge of the definite integral.
6. Demonstrate a thorough understanding of logarithmic and exponential functions, and their use in applications dealing primarily with growth and decay phenomena.
7. Demonstrate the ability to deal with trigonometric, inverse trigonometric and hyperbolic functions and many common applications thereof.

### Textbooks & Other Resources or Links

Larson, R. Hostetler, R. and Edwards, B; Calculus (10<sup>th</sup> edition); Brooks/Cole ISBN: 978-1285057095 (2014)

### Course Requirements and Instructional Methods

Homework will be posted in Blackboard and collected on the day of the exam.

Projects/Daily Quizzes: Projects will be given periodically and daily quizzes will be given at 6:30 and you may use your notes. Questions will come directly from lecture.

Exams – 4 exams

Final Exam - cumulative

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.

### Course Grading Based on Course Objectives

Exams – 4 (150 points each)	600 points	A: 900 – 1000 points
Homework (20 points per chapter)	100 points	B: 800 – 899 points
Daily Quizzes + Projects	100 points	C: 700 - 799 points
Final Exam	200 points	D: 699 – 699 points
		F: < 600 points

### 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

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor.
- 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 by the instructor.
- 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

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.

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 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 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.

### **Additional Student Services**

Imperial Valley College offers various services in support of student success. The following are some of the services available for students. Please speak to your instructor about additional services which may be available.

- [Math Lab](#) – Room 2500 (next to the gym)  
The Math Lab offers walk-in tutoring. The lab is not set up for individualized appointments. There are several computers to utilize to assist in completing online homework.
- [Blackboard Support Site](#). The Blackboard Support Site provides a variety of support channels available to students 24 hours per day.
- [Learning Services](#). There are several learning labs on campus to assist students through the use of computers and tutors. Please consult your [Campus Map](#) for the [Math Lab](#); [Reading, Writing & Language Labs](#); and the [Study Skills Center](#).
- [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. Please contact them 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.

- [Student Health Center](#). A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District and El Centro Regional Center provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC [Student Health Center](#) at 760-355-6310 in Room 2109 for more information.
- [Mental Health Counseling Services](#). Short-term individual, couples, family, and group therapy are provided to currently enrolled students. Contact the IVC [Mental Health Counseling Services](#) at 760-355-6196 in Room 2109 for more information.

### **Student Rights and Responsibilities**

Students have the right to experience a positive learning environment and to due process of law. For more information regarding student rights and responsibilities, please refer to the IVC [General Catalog](#).

### **Information Literacy**

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC [Library Department](#) provides numerous [Information Literacy Tutorials](#) to assist students in this endeavor.

**Anticipated Class Schedule/Calendar**

<b>Week/Date</b>	<b>Activity/Assignment and/or Topic</b>	<b>Week/Date</b>	<b>Activity/Assignment and/or Topic</b>
<b>Week #1</b>		<b>Week #10</b>	
8/17	Introduction, 1.1, 1.2	10/19	<b>Review, Exam III</b> <b>Chapters 3.6 – 3.9; 8.7; Chapter 4</b>
8/19	Chapters 1.3, 1.4	10/21	Chapters 5.2, 5.3
<b>Week #2</b>		<b>Week #11</b>	
8/24	Chapters 1.5, 2.1	10/26	Chapters 5.4, 5.5
8/26	Chapters 2.1, 2.2	10/28	Chapter 5.6, Catch up
<b>Week #3</b>		<b>Week #12</b>	
8/31	Chapters 2.3, 2.4	11/2	Review
9/2	Chapters 2.5, 2.6	11/4	<b>Review, Exam IV</b> <b>Chapters 5.1 – 5.6</b>
<b>Week #4</b>		<b>Week #13</b>	
9/7	Holiday	11/9	Chapter 5.7, 5.8
9/9	<b>Review, Exam I: Chapters 1, 2.1 – 2.3</b>	11/11	Holiday
<b>Week #5:</b>		<b>Week #14</b>	
9/14	Chapters 3.1, 3.2	11/16	Chapters 5.8, 5.9
9/16	Chapters 3.3, 3.4	11/18	Chapter 5.10
<b>Week #6:</b>		<b>Week #15</b>	
9/21	Chapter 3.5, 3.6	11/23	Holiday
9/23	Chapter 8.7 (L'hopitals), Review	11/25	Holiday
<b>Week #7:</b>		<b>Week #16</b>	
9/28	<b>Review, Exam II</b> <b>(Chapters 2.4 – 2.6; 3.1 – 3.5)</b>	11/30	Review
9/30	Chapters 3.7, 3.8	12/2	Review
<b>Week #8:</b>		<b>Week #17</b>	
10/5	Chapters 3.9, 4.1	12/7	Final Exam (will decide if on M or W)
10/7	Chapters 4.2, 4.3	<b>12/9</b>	
<b>Week #9:</b>			
10/12	Chapters 4.4, 4.5		
10/14	Chapters 5.1/Review		