

Basic Course Information

Semester:	Fall 2017	Instructor Name:	Rick Castrapel
Course Title & #:	Math 192 Calculus I	Email:	Rick.castrapel@imperial.edu
CRN #:	10136	Webpage (optional):	spaces.imperial.edu/rick.castrapel
Classroom:	2728	Office #:	2766
Class Dates:	Aug 15 - Dec 7 2017	Office Hours:	9-10 am Mon & Wed 5-6 pm Tues & Thurs
Class Days:	Tues and Thurs	Office Phone #:	760-355-6505
Class Times:	6:30pm-8:35pm	Emergency Contact:	Silvia Murray 760-355-6201 or Ofelia Duarte 760-355-6155
Units:	4		

Course Description

Concepts dealing with limits, continuity, differentiation and applications, integration and applications, exponential and logarithmic functions, and other transcendental functions will be covered; Fundamental Theorem of Calculus. (CSU) (UC credit limited. See a counselor.)

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

MATH 190 with a minimum grade of C or better or equivalent or appropriate placement

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, including tangent lines and computing the limit of a function at a real number.
2. Determine if a function is continuous and differentiable at a real number.
3. Demonstrate an understanding and a working knowledge of the derivative, including finding the derivative of a function as a limit, finding equations of tangent lines, computing derivatives using differentiation formulas, using implicit differentiation, and solving related rate problems.
4. Demonstrate proficiency in problem solving when dealing with applications of differentiation, including

optimization.

5. Demonstrate knowledge in anti-differentiation.
6. Demonstrate an understanding and a working knowledge of the definite integral, including the evaluation of definite integrals as limits, using integration to find area, and the evaluation of integrals using the Fundamental Theorem of Calculus.
7. Graph functions using methods of Calculus.
8. Demonstrate a thorough understanding of logarithmic and exponential functions, and their use in applications dealing primarily with growth and decay phenomena.
9. Demonstrate the ability to deal with trigonometric, inverse trigonometric and hyperbolic functions and many common applications thereof.

Textbooks & Other Resources or Links

Stewart, James (2016). Calculus: Early Transcendentals, 8th. Cengage Learning 978-1-285-74155-0

Other materials as provided on **Canvas**

Course Requirements and Instructional Methods

1. **Semester Exams:** There will be four semester exams. Please refer to calendar for dates.
2. **Final Exam:** The final will be given during the last day of classes. A score of 0 will be given if the final is missed. Please refer to calendar for dates.
3. **Homework:** 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. Homework is assigned each class in **Canvas** and is due at the beginning of the next class. Homework assignments are to be scanned or photographed and submitted through **Canvas**. Late homework is not accepted.
4. **There will be no extra credit.** Students must learn the material to pass this course.
5. It is utmost important that students review the material to do well on exams. Students are encouraged to form study groups to meet regularly to keep up with labs and homework and to study for tests.
6. Students will not be allowed to make up an exam or final exam unless you have a powerful reason to miss a test (e.g. hospitalization, jury duty, and bring the corresponding paperwork).
7. Your scores will be updated periodically in **Canvas**.
8. Tests are closed book and closed notes. You will be told in advance of formulas you need to know or those that will be provided with the test.
9. Calculator: A scientific calculator is required. Use of graphing calculators are not permitted on tests. If you use your cell phone as a calculator during a test, it must be kept flat on the table at all times. Any attempt to photograph the test will result in immediate termination of the test.
10. **NetTutor** is available free to IVC students. See the link from your **Canvas** page.

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

The student's grade will depend on the following areas (not on total points):

Semester Test	60%	There will be four tests during the semester. Zeros will be given for all missed tests.
Final Exam:	25%	The final will be given on the last day of the semester. A score of 0 will be given if the final is missed.
Homework	15%	Homework will be assigned each class and will be due the following class.
Extra Credit:	0%	There is no extra credit. Students must learn the material to pass this course.

All grades are calculated by using the standard scale of: A = 100---90% B = 89---80% C = 79---70% D = 69---60% F = 59% and below

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.

Online Netiquette

- What is netiquette? Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online.
- Students are to comply with the following rules of netiquette: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others' opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use appropriate language, (10) use appropriate emoticons (emotional icons) to help convey meaning, and

(11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!)].

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.

- **CANVAS LMS.** Canvas is Imperial Valley College's main Learning Management System. To log onto Canvas, use this link: [Canvas Student Login](#). The [Canvas Student Guides Site](#) provides a variety of support available to students 24 hours per day. Additionally, a 24/7 Canvas Support Hotline is available for students to use: 877-893-9853.
- **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 provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC [Student Health Center](#) at 760-355-6128 in Room 1536 for more information.
- **Mental Health Counseling Services.** Short-term individual, couples, family and group counseling services are available for currently enrolled students. Services are provided in a confidential, supportive, and culturally sensitive environment. Please contact the IVC Mental Health Counseling Services at 760-355-6310 or in the building 1536 for appointments or more information..

Veteran's Center

The mission of the [IVC Military and Veteran Success Center](#) is to provide a holistic approach to serving military/veteran students on three key areas: 1) Academics, 2) Health and Wellness, and 3) Camaraderie; to serve as a central hub that connects military/veteran students, as well as their families, to campus and community resources. Their goal is to ensure a seamless transition from military to civilian life. The Center is located in Building 600 (Office 624), telephone 760-355-6141.

Extended Opportunity Program and Services (EOPS)

The Extended Opportunity Program and Services (EOPS) offers services such as priority registration, personal/academic counseling, tutoring, book vouchers, and community referrals to qualifying low-income students. EOPS is composed of a group of professionals ready to assist you with the resolution of both academic and personal issues. Our staff is set up to understand the problems of our culturally diverse population and strives to meet student needs that are as diverse as our student population.

Also under the umbrella of EOPS our CARE (Cooperative Agency Resources for Education) Program for single parents is specifically designed to provide support services and assist with the resolution of issues that are particular to this population. Students that are single parents receiving TANF/Cash Aid

assistance may qualify for our CARE program, for additional information on CARE please contact Lourdes Mercado, 760-355- 6448, lourdes.mercado@imperial.edu.

EOPS provides additional support and services that may identify with one of the following experiences:

- Current and former foster youth students that were in the foster care system at any point in their lives
- Students experiencing homelessness
- Formerly incarcerated students

To apply for EOPS and for additional information on EOPS services, please contact Alexis Ayala, 760-355-5713, alexis.ayala@imperial.edu.

Student Equity Program



- The Student Equity Program strives to improve Imperial Valley College’s success outcomes, particularly for students who have been historically underrepresented and underserved. The college identifies strategies to monitor and address equity issues, making efforts to mitigate any disproportionate impact on student success and achievement. Our institutional data provides insight surrounding student populations who historically, are not fully represented. Student Equity addresses disparities and/or disproportionate impact in student success across disaggregated student equity groups including gender, ethnicity, disability status, financial need, Veterans, foster youth, homelessness, and formerly incarcerated students. The Student Equity Program provides direct supportive services to empower students experiencing insecurities related to food, housing, transportation, textbooks, and shower access. We recognize that students who struggle meeting their basic needs are also at an academic and economic disadvantage, creating barriers to academic success and wellness. We strive to remove barriers that affect IVC students’ access to education, degree and certificate completion, successful completion of developmental math and English courses, and the ability to transfer to a university. Contact: 760.355.5736 or 760.355.5733 Building 100.
- The Student Equity Program also houses IVC’s Homeless Liaison, who provides direct services, campus, and community referrals to students experiencing homelessness as defined by the McKinney-Vento Act. Contact: 760.355.5736 Building 100.

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			
Math 192 Fall 2017 Tentative Schedule			
Date	Text	Event	Topic
8/15/2017	1.1		Introduction
8/17/2017	1.2, 1.3		
8/22/2017	1.4, 1.5		
8/24/2017	2.1, 2.2		8/26/17: Last day to enroll. Last day to drop without fees.
8/29/2017	2.3, 2.4		
8/31/2017	2.5, 2.6		
9/5/2017	2.7, 2.8		
9/7/2017		Review	Ch 1, 2
9/12/2017		Test 1	Ch 1, 2
9/14/2017	3.1, 3.2		
9/19/2017	3.3, 3.4		
9/21/2017	3.5, 3.6		
9/26/2017	3.7, 3.8		
9/28/2017	3.9, 3.10		
10/3/2017	3.11, 4.1		
10/5/2017		Review	Ch 3
10/10/2017		Test 2	Ch 3
10/12/2017	4.2, 4.3		
10/17/2017	4.4, 4.5		
10/19/2017	4.6, 4.7		
10/24/2017	4.8, 4.9		
10/26/2017		Review	Ch 4
10/31/2017		Test 3	Ch 4
11/2/2017	5.1		11/4/17: Last day to drop and receive a W.
11/7/2017	5.2		
11/9/2017	5.3		
11/14/2017	5.4		
11/16/2017	5.5		
11/21/2017		Holiday	  Thanksgiving Week
11/23/2017			
11/28/2017		Review	Ch 5
11/30/2017		Test 4	Ch 5
12/5/2017		Review	Final Exam
12/7/2017		Final	Comprehensive Final Exam

Tentative, subject to change without prior notice