

Basic Course Information

Semester	Spring 2017	Instructor Name	Rick Castrapel
Course Title & #	Math 192 Calculus I	Email	rick.castrapel@imperial.edu
CRN #	21098	Webpage (optional)	spaces.imperial.edu/rick.castrapel
Room	2725	Office	2766
Class Dates	Feb 13 to Jun 7, 2017 Drop deadline: May 13, 2017	Office Hours	4:30-5:30pm MW, 8:30-9:30am TR, or By Appointment
Class Days	Mondays and Wednesdays	Office Phone #	760-355-6505
Class Times	6:30pm-8:35pm	Office contact if student will be out or emergency	Silvia Murray 760-355-6201 or Ofelia Duarte 760-355-6155
Units	4 units		

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.

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. 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

Calculus 10th ed., Larson, Edwards ISBN -13:978-1-285-05709-5

New to this session

- We will be using Canvas, not Blackboard, as a course management system.
- NetTutor is available free to IVC students.

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.

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:	30%	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	10%	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.
- 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

- Canvas support center: Accessible from your Canvas page
- 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/>. 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

Information Literacy

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/>

Anticipated Class Schedule / Calendar

Math 192 Spring 2017 Tentative Schedule			
Date	Text	Event	Topic
2/13/2017	1.1, 1.2		Introduction
2/15/2017	1.3, 1.4		
2/20/2017		Holiday	Washington's Birthday
2/22/2017	1.5, 2.1, 2.2		
2/27/2017	2.3, 2.4		
3/1/2017	2.5, 2.6		
3/6/2017		Review	Ch 1, 2
3/8/2017		Test 1	Ch 1, 2
3/13/2017	3.1, 3.2		
3/15/2017	3.3, 3.4		
3/20/2017	3.5, 3.6		
3/22/2017	3.7, 8.7		
3/27/2017		Review	Ch 3.1-3.7, 8.7
3/29/2017		Test 2	Ch 3.1-3.7, 8.7
4/3/2017	4.1, 4.2		
4/5/2017	4.3		
4/10/2017	4.4		
4/12/2017	4.5		
4/17/2017		 Spring Break	
4/19/2017			
4/24/2017	3.8, 3.9, 4.6		
4/26/2017		Review	Ch 3.8, 3.9, 4
5/1/2017		Test 3	Ch 3.8, 3.9, 4
5/3/2017	5.1, 5.2		
5/8/2017	5.3, 5.4		
5/10/2017	5.5		
5/15/2017	5.6		
5/17/2017	5.7		
5/22/2017	5.8		
5/24/2017		Review	Ch 5
5/29/2017		Holiday	Memorial Day
5/31/2017		Test 4	Ch 5
6/5/2017		Review	Final Exam
6/7/2017		Final	Comprehensive Final Exam