Basic Course Information

Semester:	**Fall 2025**	Instructor Name:	**Juan Andres Noguez**
Course Title & #:	**Math 192: Calculus 1**	Email:	**juan.noguez@imperial.edu**
CRN #:	**10062**	Webpage (optional):	**N/A**
Classroom:	**2721**	Office #:	**2724**
Class Dates:	**08/11-12/06**	Office Hours:	**M/W 3pm-3:30pm, Thu 4pm-4:30pm, Fridays 1pm-3:30pm**
Class Days:	**MW**	Office Phone #:	**TBA**
Class Times:	7:30am – 10:05am	Emergency Contact:	**Silvia Murray (silvia.murray@imperial.edu)**
Units:	4	Class Format/Modality:	In Person

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.

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

Successful completion of pre-calculus or appropriate placement as defined by AB705.

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. (ILO1, 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

Stewart, J., Clegg, D., Watson, S. . 2023. *Calculus: Early Transcendentals* . 9th Cengage Learning . ISBN: 978-1337613927.

A scientific calculator (TI-30XIIS) can be helpful while doing homework, but they are not allowed on exams.

Course Requirements and Instructional Methods

The goal of this course is for you to gain the necessary skills and knowledge to do well, and improve your mathematical abilities, so you are able to succeed in future courses. My responsibility is to help you in any way I can, to accomplish these goals, however it is your responsibility to be committed to your own success and keep up with the pace of the class. To do so you need to complete assignments on time and please ask questions when you have them.

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 means you should plan on 5 hours of class time, plus an additional 10 hours each week for working outside of class. This means you should spend at least 15 hours working on math each week.

Course Rules:
1) Late work is not accepted. If you are going to be gone, contact me before the absence to make arrangements.
2) There are no make-up tests or quizzes.
3) It is your responsibility to drop or withdraw the class. Failure to do so will result in a regular grade (most probably an F).
4) Regular attendance is recommended and expected. The instructor can drop you from the class if you have more than the allowed number of absences.
5) You need to ask questions whenever you have them. If not in class, please come to my office during office hours, email me, go to tutoring, google it, YouTube it, etc.
6) It is your responsibility to make up the work you missed if you are absent. I highly recommend finding someone else to copy notes and material from that were covered in your absence.

Course Grading Based on Course Objectives

There will be 3 in class exams, each exam is worth 20% of your grade. There are no make-ups for the exams. If an exam is missed, then you will receive a 0% and that 0% will be replaced with the final exam percentage score. The final exam is comprehensive and is worth 25% of your grade. There is no make-up for the final exam, if the final exam is missed, then you will receive a zero. Plan to be here for the exam dates in the schedule but also note that those dates can change so make sure you are attending class, paying attention and staying up to date.

The combined total of your homework is worth 10% of your grade. The combined total of your quizzes is worth 5% of your grade. There are no make-up quizzes.

All Grades will be shown on Canvas. Your grade will be weighted as summarized below:
Homework 10% of grade
Quizzes 5% of grade
Exams 60% of grade
Final 25% of grade

Academic Honesty (Artificial Intelligence -AI)

IVC values critical thinking and communication skills and considers academic integrity essential to learning. Using AI tools as a replacement for your own thinking, writing, or quantitative reasoning goes against both our mission and academic honesty policy and will be considered academic dishonesty, or plagiarism unless you have been instructed to do so by your instructor. In case of any uncertainty regarding the ethical use of AI tools, students are encouraged to reach out to their instructors for clarification.

Accessibility Statement

Imperial Valley College is committed to providing an accessible learning experience for all students, regardless of course modality. Every effort has been made to ensure that this course complies with all state and federal accessibility regulations, including Section 508 of the Rehabilitation Act, the Americans with Disabilities Act (ADA), and Title 5 of the California Code of Regulations. However, if you encounter any content that is not accessible, please contact your instructor or the area dean for assistance. If you have specific accommodations through *DSPS*, contact them for additional assistance.

We are here to support you and ensure that you have equal access to all course materials.

Course Policies

Classroom Policy

- Arrive to class on time.
- Academic integrity is expected; any cheating will result in a 0 on that particular assignment and notification of academic dishonesty to the college.
- Be civil, respectful, and cordial to fellow classmates and instructor. Inappropriate behavior will be documented, and student will be subjected to disciplinary action.
- Any student engaging in disruptive behavior will be subject to disciplinary action. Disruptive behavior consists of (but it's not limited to) behavior that interferes with the learning of fellow classmates or distractive behavior to the instructor.
- Cellphones must be either turned off or on silent mode during class time. If you need to take a call, then you must leave the classroom without disrupting others (do not answer the phone inside the classroom!).
- Cell phones, computers, tablets, any other electronic device or any additional materials are not allowed during quizzes and exams. Using such tools will result in a grade of 0 for said quiz or exam.

Attendance Policy

- Students who miss the first day of class will be dropped by the instructor.
- Regular attendance is expected of all students. Students with unexcused absences exceeding the number of hours the class is scheduled to meet per week may be dropped.
- If you miss a class, you are expected to get caught up with the material you missed.
- Missing Friday (support class) will be counted as an absence. You are expected to attend Friday's support course (7:30am-9:35am in room 2721) since lecture will be given on those days along with important class activities.

Email Policy

- You are expected to check Canvas Inbox daily for updates regarding our class. I will be communicating with the class through Canvas. You are also expected to check daily IVC email.
- If you need to contact me, I strongly recommend you do so through Canvas Inbox or IVC email. When emailing me, be sure to email from your IVC email, I will not respond to emails from personal email accounts such as gmail.com or outlook.com.

Math Help

- My office hours are MW 3pm-3:30pm, Thursdays 4pm-4:30pm, and Fridays 1pm-3:30pm in room 2724. Please feel free to stop by if you have any questions or need help with homework.
- IVC also offers tutoring services, I strongly recommend using such services as well.

Financial Aid

Your Grades Matter! In order to continue to receive financial aid, you must meet the Satisfactory Academic Progress (SAP) requirement. Makings SAP means that you are maintaining a 2.0 GPA, you have successfully completed 67% of your coursework, and you will graduate on time. If you do not maintain SAP, you may lose your financial aid. If you have questions, please contact financial aid at finaid@imperial.edu.

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	Syllabus & Introduction. Sections: 2.1, 2.2
Week 2	Sections: 2.3, 2.4
Week 3	Sections: 2.5, 2.6
Week 4	**(Monday September 1st : No Class due to holiday)** Sections: 2.7, 2.8
Week 5	Sections: 3.1, 3.2 **Exam 1 (CH2) (Wednesday September 10th)**
Week 6	Sections: 3.3, 3.4, 3.5
Week 7	Sections: 3.6, 3.7
Week 8	Sections: 3.8, 3.9
Week 9	Sections: 3.10, 4.1
Week 10	Sections: 4.2, 4.3 **Exam 2 (CH 3) (Wednesday October 15th)**
Week 11	Sections: 4.4, 4.5, 4.7
Week 12	Sections: 4.8, 4.9
Week 13	Sections: 5.1, 5.2
Week 14	**(Monday November 10th: No Class due to holiday)** Sections: 5.3, 5.4
Week 15	Sections: 5.5 **Exam 3 (CH 4, and 5.1-5.3) (Wednesday November 19th)**
Thanksgiving Break	**Thanksgiving Break (No classes this week)**
Week 16	Catch up if needed and review. Review Wednesday, Final Exam Friday December 5th

Subject to change without prior notice