



IMPERIAL VALLEY COLLEGE

Basic Course Information

Semester:	Spring 2025	Instructor Name:	Carlos Duarte
Course Title & #:	Math 190	Email:	carlos.duarte@imperial.edu
CRN #:	20064	Webpage (optional):	
Classroom:	2722	Office #:	NA
Class Dates:	February 10 – June 6	Office Hours:	By appointment on Mondays/Wednesdays (Zoom or in person)
Class Days:	Monday and Wednesday	Office Phone #:	NA
Class Times:	6:00 PM –9:10 PM	Emergency Contact:	Silvia Murray (760) 355-6201
Units:	5	Class Format:	Hybrid (Face-to-Face + Online)

Hybrid (Face-to-Face + Online)

In a hybrid class, course activity occurs both online and face-to-face on campus; both the online and face-to-face portion are required. The face-to-face meetings occur on scheduled days and times. All online content is delivered in Canvas.

Course Description

Preparation for calculus: polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates. (UC credit limited. See a counselor) (CSU/UC)

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

Appropriate placement as defined by AB705 or successful completion of Intermediate Algebra.

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to: 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

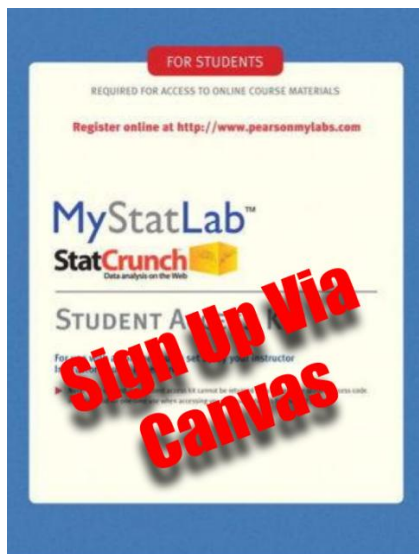
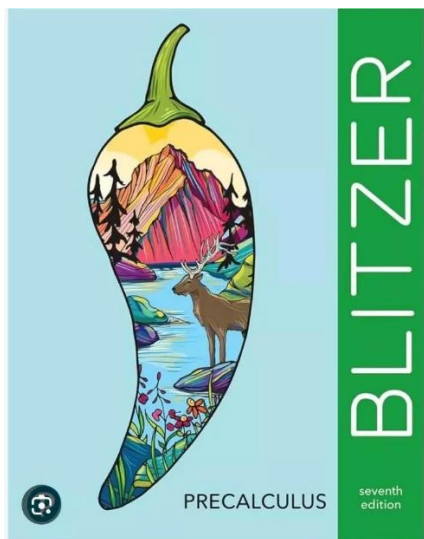
Upon satisfactory completion of the course, students will be able to:

1. Solve systems of equations and inequalities.
2. Solve equations in one variable including polynomial, rational, radical, absolute value, exponential, logarithmic, piecewise-defined functions, trigonometric and inverse trigonometric functions; and solve inequalities in one variable, including polynomial, rational and absolute value inequalities.
3. Demonstrate an understanding of the relationship between functions and their inverses algebraically and graphically.
4. Graph functions and relations in rectangular and polar coordinates. Analyze the graphs of polynomial, rational, exponential and logarithmic functions based on particular characteristics of the function.

5. Apply transformations to the graphs of functions and relations. Updated 6/2023
6. Analyze the results from equations and/or graphs of functions and relations;
7. Solve applied problems from a variety of disciplines that can be modeled by linear, polynomial, absolute value, rational, radical, exponential and logarithmic functions.
8. Evaluate trigonometric functions of an angle in radians and degrees.
9. Simplify trigonometric expressions.
10. Solve trigonometric equations, triangles and applied problems that can be modeled by trigonometric functions.
11. Identify special triangle and their related angle and side measures.
12. Graph trigonometric functions and their inverse functions and apply changes in period, phase and amplitude to generate new graphs
13. Prove trigonometric identities and use the identities to solve for exact values, simplify expressions and solve trigonometric equations.
14. Classify and graph conic sections.
15. Analyze parametric and polar equations, functions and graphs.
16. Evaluate sequences and series.

Textbooks & Other Resources or Links

- **Textbook: (not required) Blitzer, Robert. 2022. Precalculus. 7th Pearson. ISBN: 9780137321681**
- **MyStatLab Make sure you sign up through Canvas. See “*Student Registration Instructions for Canvas*” Below**
- **A scientific calculator is required. A graphing calculator, such as the TI-83+, is recommended, but not required.**



Calculators: Highly Recommended Texas Instruments (TI-83, TI-83 Plus, TI-84, TI-84 Plus)

Although calculators are not required, it is highly recommended that you bring one to class. A simple scientific calculator can help, it is **HIGHLY RECOMMENDED that you bring a graphing calculator (TI-83, TI-83 Plus, TI-84, TI-84 Plus).**

RENTALS: These can be rented for \$10 from Imperial Valley College at the “Cashier’s Window”. Go to the Cashier's Window and pay the \$10 dollar fee and pick up your calculator.



NO SHARING OF CALCULATORS WILL BE ALLOWED, EVEN IF YOU ARE DONE WITH THE TEST.

Course Requirements and Instructional Methods

Homework (10%) Make sure you use the same email you use for Canvas and MyStatLab

ALL homework will be done through the MyMathLab which you need to access via Canvas. All deadline dates are online at the site. NO LATE HOMEWORK WILL BE ACCEPTED. **Everything on MyMathLab.com/MyStatLab.com is considered homework. No homework will be accepted after the final exam.**

YOU MUST HAVE AN ACTIVE (NOT EXPIRED) ACCOUNT UP UNTIL A WEEK AFTER THE LAST DAY OF THE SEMESTER.

Tests (75%) 75 Minute Maximum Time Limit (1 hour, 15 minutes)

You can't show up late for tests! You will have a total of 3 tests each worth 25% (total of 75%). The tests will consist of problems similar to the homework and may contain essay questions where you will have to explain concepts. Tests will be announced at least one day before, but I am hoping to give you more notice if possible. Tests will be on the chapters being covered and most likely will include some material from previous tests. You can only miss ONE test. If you miss a test, the NEXT test will count for two scores (the previous test will NOT be counted as two scores). If you miss two or more tests, the other tests will be given zeros for a score. You must take the test in the class you are registered for (no exceptions). You will have 75 minutes max to complete your test.



Final Exam (15%) 75 Minute Maximum Time Limit (1 hour, 15 minutes)

The Final Exam will consist of 20 questions. It will be comprehensive. **You CAN'T miss the final exam. USE OF AN UNAUTHORIZED ELECTRONIC DEVICE (CELL PHONE, TABLET, ECT...) WILL RESULT IN A ZERO SCORE. Any internet searches will result in a Zero Grade too.** You will have 75 minutes max to complete your Final Exam. **Class is over at the conclusion of the Final Exam.**

ON THE TESTS AND THE FINAL, YOU WILL BE ALLOWED TO USE:

1. Calculator
2. You are NOT ALLOWED TO USE ANY OTHER TYPE OF MATERIAL ON ANY TEST or FINAL EXAM. The use of any other material, including, but not limited to old tests, online web searches, etc. ... will result in a zero score.

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.

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Course Grading Based on Course Objectives**GRADE DISTRIBUTION**

A	100 – 90	Tests (3 tests @ 25% each)	75%
B	89 – 80	MyMathLab (Computer Homework/Tests)	10%
C	79 – 70	Final Exam	15%
D	69 – 60		
F	59 – under		

Course Policies

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. (2 ABSENCES ALLOWED). You can't be absent for more than 2 classes.** 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.
- Four instances of the following may result in you being dropped from the course:
 1. Missing class
 2. Leaving class early
 3. Missing a quiz
 4. Missing an exam
 5. Failure to complete assignments

Classroom Etiquette

- **Electronic Devices: Cell phones and electronic devices must be turned off and put away during class unless otherwise directed by the instructor.**
- **TURN OFF YOUR CELLULAR PHONES.** Courtesy please. **IF IT RINGS, YOU WILL BE ASKED TO LEAVE AND IT WILL BE MARKED AS AN ABSENCE. YOU WILL NOT BE ALLOWED TO STAY IN CLASS. NO TEXTING IN CLASS.**
- **NO calculators, cell phones, tablets, or ipod type devices are allowed.**
- **THE USE OF AN UNAUTHORIZED ELECTRONIC DEVICE (CELL PHONE, TABLET, ECT...) IN ANY TEST AND/OR FINAL EXAM WILL RESULT IN A ZERO SCORE.**
- Respect class start and end time. DO NOT come in late or leave early from class (it disrupts the flow of the class).
- Copies of books are not allowed in class.
- 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.
- Humor is a big part of the class. To break up the monotony of class, I will pick points during class to stop so that the four hours and fifteen minutes do not seem as long. This is strategically done to help students cope with the long class.
- 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.
- The classroom notes, old tests, study guides are available through www.MyMathLab.com under "View Course Documents"
- Also suggest looking for tutorials on www.youtube.com and www.khanacademy.org

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.



IMPERIAL VALLEY COLLEGE

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.

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

WEEK	Chapter	TEST
Weeks 1-6	1	TEST 1 (CHAPTERS 1-3)
	2	
	3	
Weeks 7-11	4	TEST 2 (CHAPTERS 4-6)
	5	
	6	
Weeks 12-16	7	TEST 3 (CHAPTERS 7-10)
	8	
	9	
	10	
17	Final Exam	FINAL EXAM

*****Tentative, subject to change without prior notice*****



HOW TO ACCESS MyStatLab / MyMathLab

Pearson | MyLab | Statistics

Student Registration Instructions for Canvas

First, open Pearson

1. Log in to Canvas and open your Canvas course.
2. Select a MyLab and Mastering link in Course Navigation or a module.
3. Select **Open MyLab & Mastering** to go to the course home page or select a link under Student Links.

Using a partner integration such as VitalSource, RedShelf, or Barnes & Noble? Select a link such as Launch courseware, View Course Materials, or Start Studying.

Ask your instructor if you need help finding Pearson in your course.

Next, get access to your course content

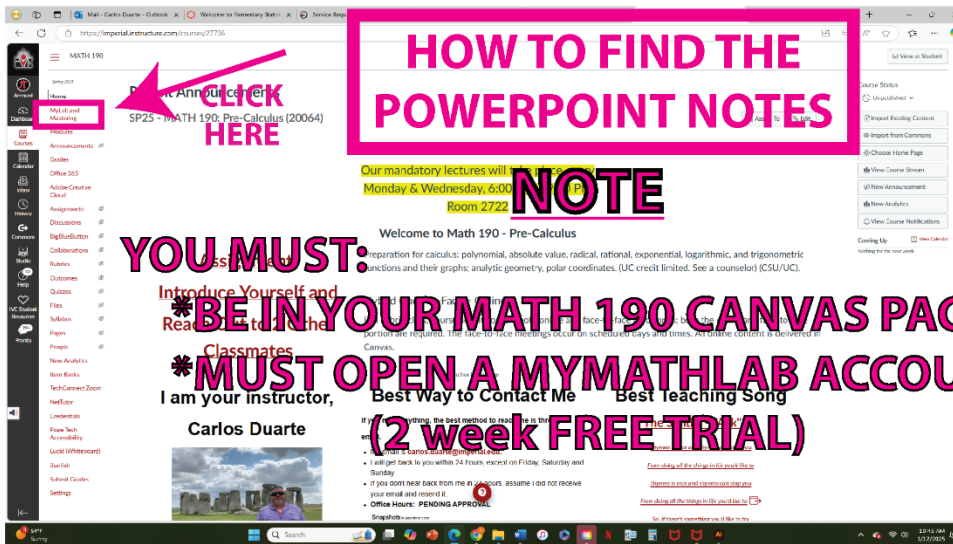
1. Sign in to link your Pearson and Canvas accounts. If you're new to MyLab and Mastering, create an account.
2. Select any available access option, if asked.
 - Enter a prepaid access code that came with your textbook or from the bookstore.
 - Buy instant access using a credit card or PayPal account.
 - Select **Get temporary access without payment for 14 days.**
3. Select **Go to my course.**

We recommend you always enter your MyLab Statistics course through Canvas.

Need help ?

Make sure your browser is ready. Check the system requirements at <https://mlm.pearson.com/global/system-requirements/>

For help with MyLab Statistics for Canvas, go to <https://help.pearsoncmg.com/integration/cg/canvas/student/en/>



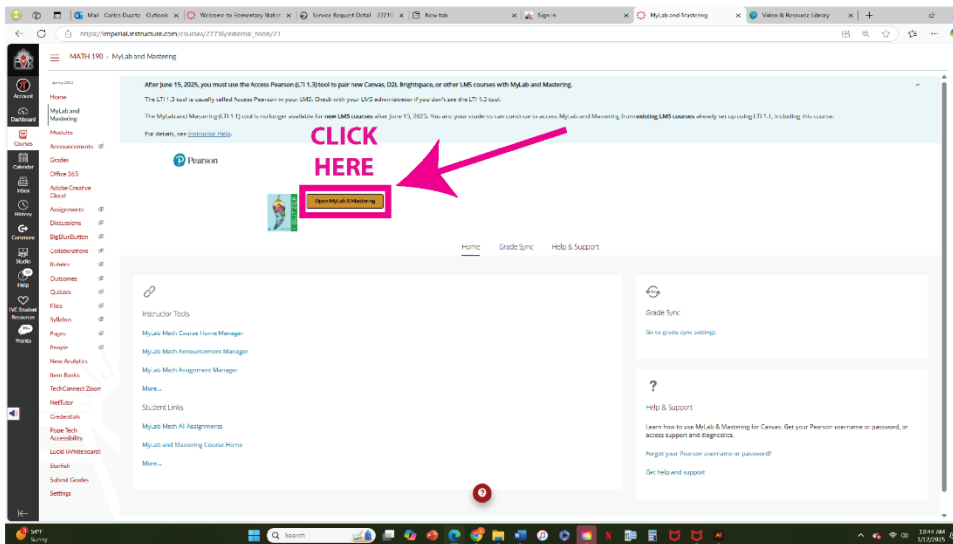
HOW TO FIND THE POWERPOINT NOTES

NOTE

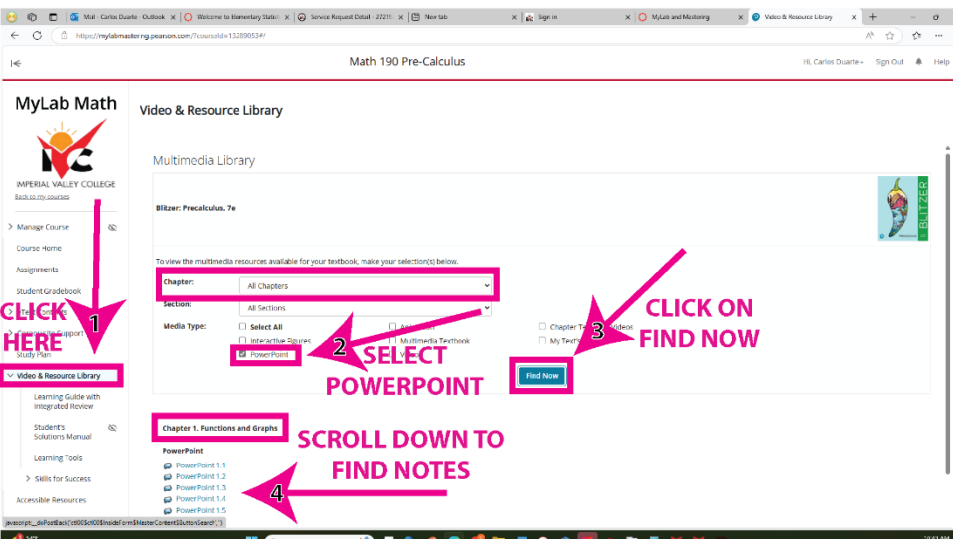
YOU MUST: BE IN YOUR MATH 190 CANVAS PAGE MUST OPEN A MYMATHLAB ACCOUNT (2 week FREE TRIAL)

Our mandatory lectures will be Monday & Wednesday, 6:00 AM - 7:00 AM in Room 2722

Welcome to Math 190 - Pre-Calculus



CLICK HERE



CLICK HERE

CLICK ON FIND NOW

SELECT POWERPOINT

SCROLL DOWN TO FIND NOTES



Imperial Valley College ACADEMIC CALENDAR 2024-2025



JULY 2024

S	M	T	W	R	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

July 4 - Independence Day (Campus Closed)
 July 25 - Summer Session Classes End
 July 29-31 - No Classes (Campus Open)

DECEMBER 2024

S	M	T	W	R	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Dec 7 - Fall Semester Classes End
 Dec 9-13 - No Classes (Campus Open)
 Dec 16-31 - Winter Recess (Campus Closed)

NOVEMBER 2024

S	M	T	W	R	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Nov 5 - General Election
 Nov 5 - Same Day Voter Registration
 Nov 11 - Veterans Day (Campus Closed)
 Nov 25-26 - No Classes (Campus Open)
 Nov 27-30 - Thanksgiving (Campus Closed)

OCTOBER 2024

S	M	T	W	R	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Oct 21 - Last Day to Register to Vote for the General Election
 Oct 22-31 - Same Day Voter Registration

SEPTEMBER 2024

S	M	T	W	R	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Sep 2 - Labor Day (Campus Closed)

AUGUST 2024

S	M	T	W	R	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Aug 1, 5-8 - No Classes (Campus Open)
 Aug 9 - Convocation (Mandatory/All Campus)
 Aug 12 - Fall Semester Classes Begin

MAY 2025

S	M	T	W	R	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

May 26 - Memorial Day (Campus Closed)

APRIL 2025

S	M	T	W	R	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

April 20-26 - Spring Recess (Campus Closed)

MARCH 2025

S	M	T	W	R	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April 21 - Last Day to Register for General Election
 Oct 22 Nov 5 - Same Day Voter Registration
 Nov 5 - General Election

FEBRUARY 2025

S	M	T	W	R	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

Feb 3 - Winter Session Classes End
 Feb 4-7 - No Classes (Campus Open)
 Feb 10 - Spring Semester Classes Begin
 Feb 14 - Lincoln Day (Campus Closed)
 Feb 17 - Washington Day (Campus Closed)

JANUARY 2025

S	M	T	W	R	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Jan 1 - New Year's Day (Campus Closed)
 Jan 2 - Winter Session Classes Begin
 Jan 20 - Dr. MLK Jr. Day (Campus Closed)



CIVIC, VOTING, REGISTRATION DATES

Oct 21 - Last Day to Register for General Election
 Oct 22 Nov 5 - Same Day Voter Registration
 Nov 5 - General Election

LEGEND

White	No Classes (Campus Open)
Red	State Holiday (Campus Closed)
Yellow	District Holiday (Campus Closed)
Green	Recess (Campus Closed)
Pink	Civic, Voting, Registration
Blue	Fall Semester
Light Blue	Winter Session
Light Green	Spring Semester
Light Yellow	Summer Session
Light Purple	Convocation / Commencement

2025 SUMMER SESSION

JULY 2025

S	M	T	W	R	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

July 3 - Independence Day Observed (Campus Closed)
 July 24 - Summer Session Classes End
 July 28-31 - No Classes (Campus Open)

JUNE 2025

S	M	T	W	R	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

June 6 - Spring Semester Classes End
 June 7 - Commencement
 June 9-13 - No Classes (Campus Open)
 June 16 - Summer Session Classes Begin