IMPERIAL VALLEY COLLEGE

Thank you for choosing IVC! We are so happy to join you on your educational journey.

Basic Course Information

Semester:	**Spring 2025**	Instructor Name:	**Mardjan Shokoufi**
Course Title & #:	***MATH 150 College Algebra***	Email:	**mardjan.shokoufi@imperial.edu**
CRN #:	**21106**	Webpage	**None**
Classroom:	**2722**	Office #:	**2762**
Class Dates:	**Feb 10-June 6, 2025**	Office Hours:	**M: 4:15-5:30 Via zoom T: 5-5:45 in office 2762 W: 4:15-5:30 Via zoom TH: 5-5:45 in office 2762 zoom meeting code on canvas homepage for the course**
Class Days:	Tuesdays and Thursdays	Office Phone #:	**(760)355-6401 NOTE: for Spring session, I will be physically in my office on T and TH evening, so it is best to email me.**
Class Times:	**6-8:30 pm**	Emergency Contact:	**Division secretary: Ms. Silvia Murray silvia.murray@imperial.edu**
Units:	**4**	Class Format:	**In Person**

Course Description

College level course in algebra: polynomial, rational, radical, absolute value, exponential and logarithmic functions; systems of equations, theory of polynomial equations, matrix algebra, linear programming, and analytic geometry. (CSU, UC credit limited. See a counselor.)

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.

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Course Objectives

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

1. Analyze and investigate properties of functions.
2. Synthesize results from the graph and/or equations of functions.
3. Apply transformations to the graphs of functions.
4. Recognize the relationship between functions and their inverses graphically and algebraically.
5. Solve and apply rational, linear, polynomial, radical, absolute value, exponential, and logarithmic equations and solve linear, non-linear, and absolute value and equality.
6. Solve systems of equations and inequalities.
7. Apply techniques for finding zeros of polynomials and roots of equations.
8. Apply functions and other algebraic techniques to model real world B-STEM applications.
9. Analyze conics algebraically and graphically and use formulas to find sums of finite and infinite series.
10. Perform operations on matrices and solve linear systems of equations using matrix algebra.
11. Use Linear Programming in common business and science applications.

Textbooks & Other Resources or Links

You **need to purchase** 18 weeks access to Pearson mymathlab. Do not buy a physical textbook.

The mymathlab registration handbook is in the syllabus section of canvas.

No need to purchase physical textbook as it is imbedded in the mymathlab.

e-Textbook embedded in Mymathlab : College Algebra by Blitzer, 8th edition, 2022; ISBN: 9780136970613

We will be using MyMathLab component that has e-book, so no need to buy the actual book.

MyMathLab **needs to be purchased**. **Use information posted on canvas on how to register and to purchase access.**

We will be using Pearson Mymathlab component for assignments, and tests preparations,

Follow the steps in "How to Register on Mymathlab" document posted on canvas shell for this course.

Note: you get 14 days of free access, so my expectation is you will be on Mymathlab from day 1 of the class.

Your success in the class depends on your readiness from day one to study and keep up with the assignments.

Course Requirements and Instructional Methods

Material needed: PC computer, Pearson Mymathlab access, paper, pen, pencil, highlighter, stapler, scientific or graphing calculator (you may download a free calculator app from various sites or borrow a graphing calculator from the IVC's tutorial services)

Course setting:

We will cover chapters 1-8. See the attached calendar for all due dates and times.

This course is designed to have you learn facts while gaining an appreciation of the power of mathematics and getting ready for your future courses in the field. My responsibility is to do my best to be an effective guide, while you are responsible to make a commitment to learning and keeping up with the daily work. Remember mathematics is learned through active participation.

On a daily basis you will have to take notes during class lectures, read your e-book emphasizing the formulas and examples stated in the book. And work on your assignment on Mymathlab, as well as participate in class groupworks and discussions.

On daily basis you need to:

- Use provided lectures and e-book to study the day's topics and take notes.
- Work on the assignments.
- Know the pre-requisite topics learned in previous courses such as finding common denominator and such or ask me or tutors for help.

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 16-week semester. WASC has adopted a similar requirement.
For this class that means approximately 8 hours of studying, working on assignments and reviewing for the tests per week as this is a 16-week class.

Course Grading Based on Course Objectives

15 Homework sets @ 25 points each	**375** (See the attached calendar for dates)
Class group work @ 5 points each	**100*** (See the attached calendar for dates)
Fully worked out sample tests @ 25 each	**75** (See the attached calendar for dates)
3 Tests @100 points each	**300** (See the attached calendar for dates)
Cumulative Final @ 150 points	**150** (See the attached calendar for date)
TOTAL	**1000**

*Student need to be present and actively participate in group activities to earn points. Any extra class groupwork will be counted as extra credit.

Grading Scale: The standard grading scale will be used: 90%=A, 80%= B, 70%-C, 60%=D, less than 60% will result in the grade of F.

900-1000 points = A
800-899 points = B
700-799 points = C
600-699 points = D
0-599 points = F

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Course Policies

Class Rules:

1. Late HW **assignmnets are not accepted.**
2. **No** make-up test will be given. If one test is missed the percentage of final exam will replace that one missed test. If a student misses more than one test, then only for one test the final percentage will be replaced and the other will be scored as zero.
3. There is **no make-up for the Final exam**.
5. Have paper, a notebook, pen, pencil, and highlighter, your fully charged computer ready during study time.
6. It is the student's responsibility to drop or officially withdraw from the class.
(See IVC class schedule for dates).
7. It is **your responsibility** to take notes and **be aware of deadlines and due dates and times.**

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.

Academic Honesty including using 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.

- **Academic honesty** in the advancement of knowledge requires that all students and instructors **respect the integrity of one another's work and recognize the importance 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, 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 IVC General Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following:
    - plagiarism
    - copying or attempting to copy from others during an examination or on an assignment.
    - communicating test information with another person during an examination
    - allowing others to do an assignment or portion of an assignment.
    - using a commercial term paper service.
    - Using AI to help you with assignments including tests.

Attendance Policy

- **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 IVC 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.

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.

IVC academic Resources

With help with the course material, you can always drop by my office hours, ask questions during the class, or email me your question.

In addition, IVC offers free tutoring at the:

- Learning Services (located inside the library) you can request scheduled weekly tutoring or use walk-in tutoring as needed
- MESA center (located in building 4100) also offers tutoring, computers to use and books to browse through

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Anticipated Class Schedule/Calendar

Week	Tuesday	Thursday
1 Feb 11 and 13	Introduction, Chapter P, class work	Chapter P, class work
2 Feb 18 and 20	Chapter P, 1.1, class work	1.2, 1.3, class work, HW 1 due
3 Feb 25 and 27	1.4, 1.5, class work	1.6, 1.7, class work, HW 2 due
4 March 4 and 6	2.1, 2.2, class work	2.3, 2.4, class work, HW 3 due
5 March 11 and 13	2.5, class work, Sample Test 1 due	HW 4 due, **TEST 1**
6 March 18 and 20	2.6, 2.7, class work	2.8, class work, HW 5 due
7 March 25 and 27	3.1, 3.2, class work	3.3 class work, HW 6 due
8 Apr 1 and 3	3.4, 3.5, class work	3.6, 3.7, class work, , HW 7 due
9 Apr 8 and 10	4.1, class work, Sample Test 2 due	HW 8 due, **TEST 2**
10 Apr 15 and 17	4.2, 4.3, class work	4.4, class work, HW 9 due
11 Apr 29 and May 1	4.5, class work	5.1, 5.2, class work, HW 10 due
12 May 6 and 8	5.4, 5.5, class work	5.6, class work, HW 11 due
13 May 13 and 15	6.1, 6.2, class work	7.1, 7.2, class work, HW 12 due
14 May 20 and 22	7.3, class work, Sample Test 3 due	HW 13 due, **TEST 3**
15 May 27 and 29	8.1, 8.2, class work	8.3, class work, HW 14 due
16 June 3 and 5	Final Review	HW 15 due, **Final**

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

Zoom meeting etiquettes: ***Since we will be meeting online for some office hours, appointments, or optional class times, then make sure you have a space free of distraction during our meeting times, have your computer charged or charging, have your notebook, pen, pencils, and calculator handy.***

1) **Be RESPECTFUL**
    a. Your written, verbal, and non-verbal communications should be respectful and focused on the learning topics of the class.
2) **Find a QUIET LOCATION & SILENCE YOUR PHONE (if zooming)**
    a. People walking around and pets barking can be a distraction.
3) **EAT AT A DIFFERENT TIME.**
    a. Crunching food or chugging drinks is distracting for others.
    b. Synchronous zoom times are set in advance so reserve meals for outside class meetings.
4) **ADJUST YOUR LIGHTING SO THAT OTHERS CAN SEE YOU**
    a. It is hard to see you in dim light so find a location with light.
    b. If your back is to a bright window, you will be what is called "backlit" and not only is it hard on the eyes (glare), but you look like a silhouette.
5) **POSITION THE CAMERA SO THAT YOUR FACE AND EYES ARE SHOWING**
    a. If you are using the camera, show your face; it helps others see your non-verbal cues.
    b. You may be at home but meeting in pajamas or shirtless is not appropriate so dress suitably. Comb your hair, brush your teeth, fix your clothes, etc. before your meeting time to show self-respect and respect for others.
6) **Be READY TO LEARN AND PAY ATTENTION**
    a. Catch up on other emails or other work later.
    b. If you are Zooming, silence your phone and put it away.
    c. If you are in a room with a TV – turn it off.
7) **USE YOUR MUTE BUTTON WHEN IN LOUD PLACES OR FOR DISTRACTIONS**
    a. Pets barking, children crying, sneezing, coughing, etc. can happen unexpectedly. It's best if you conference in a private space, but if you can't find a quiet place, when noises arise **MUTE** your laptop.
8) **REMEMBER TO UNMUTE WHEN SPEAKING**
    a. Follow your instructor's directions about using the **"raise hand"** icon or chat function to be recognized and to speak, but make sure you have unmuted your device.
    b. Do not speak when someone else is speaking.
9) **REMAIN FOCUSED AND PARTICIPATE IN THE MEETING**
    a. Especially when the camera is on YOU, we can all see your actions. Engage in the meeting. Look at the camera. Listen to instructions. Answer questions when asked.
    b. Do not use the Zoom meeting to meet with your peers or put on a "show" for them.
10) **PAUSE YOUR VIDEO IF MOVING OR DOING SOMETHING DISTRACTING**
    Emergencies happen. If you need to leave the room or get up and move about, stop your video.