

Basic Course Information

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|-------------------|-----------------------------------------|---------------------|-----------------------------------------------|
| Semester: | Fall 15 | Instructor Name: | Mardjan Shokoufi |
| Course Title & #: | Intermediate Algebra MATH 91 | Email: | mardjan.shokoufi@imperial.edu |
| CRN #: | 10112 | Webpage (optional): | - |
| Classroom: | - | Office #: | 2762 |
| Class Dates: | Aug 17-Dec 11, 2015 | Office Hours: | MW 9:35-11:05, TR 9:30-10 |
| Class Days: | online | Office Phone #: | (760) 355-6401 |
| Class Times: | online | Emergency Contact: | Department Secretary (760)355-6155 |
| Units: | 5 | | |

Course Description

A further study of the concepts of algebra. Topics covered include linear and quadratic equations, relations, functions and graphs, systems of equations, logarithmic and exponential functions, conic sections, and sequences and series. (Nontransferable, AA/AS degree only)

Prerequisite: MATH 81 with C or better or Math placement test.

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. Solve quadratic equations by factoring, completing the square, and quadratic formula. (ILO2)
2. Solve equations involving radicals. (ILO2)
3. Recognize and graph equations of conic sections. (ILO2)
4. Perform operations on functions algebraically. (ILO2)
5. Solve an application involving exponential functions. (ILO2, ILO5)

Course Objectives

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

1. Demonstrate an understanding of radical expressions and equations.
2. Demonstrate an ability to solve applications, inequalities and absolute value inequalities.
3. Demonstrate and understanding of quadratic functions, including graphing and equations.
4. Demonstrate and understanding of functions and relations, including one to one functions.
5. Demonstrate and understanding of logarithmic and exponential functions and their graphs.
6. Classify and graph ellipses, parabolas, and hyperbolas.
7. Demonstrate an understanding of sequences and series and their operations.

Textbooks & Other Resources or Links

Blitzer (2012). *Introductory & Intermediate Algebra for College Students* (4th/e). Pearson. ISBN: 978-0321729385
We be using MyMathLab component that has e-book, so no need to buy the actual book.

MyMathLab Course ID: **shokoufi39115**

Course Requirements and Instructional Methods

Material needed: MyMathLab, paper, pen, pencil, highlighter, scientific calculator (Note: no graphing calculator, cell phone, or other such devices are allowed on the tests)

MyMathLab Course ID: **shokoufi39115**

Course setting: 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 this 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 weekly basis you need to:

- Use provided learning units to study the week's material and take notes from e-book and lecture videos.
- Do the assignment in the MyMathlab.
- Participate in the discussion forum of Blackboard.

Class Rules:

1. Late assignment is **not** accepted
2. **No** make-up test will be given
3. It is the student's responsibility to drop or officially withdraw from the class.
(See IVC Spring class schedule for dates).

At IVC Test days:

Friday October 9, 8:30-10 am room 2734

Tuesday Dec 8, 6:30-8 pm room 2734

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.

For this class that means approximately 15 hours of studying, doing assignments and contributing to discussions every week.

Course Grading Based on Course Objectives

| | |
|-----------------------------------------------------|--------------------------------------------------|
| 15 Classwork/Homework sets* @ 10 points each | 150 (See the attached calendar for dates) |
| 3 Tests @100 points each | 300 (See the attached calendar for dates) |
| 15** Discussions@ 5 points each | 50 |
| Final @ 200 points | 200 (See the attached calendar for date) |
| TOTAL | 700 |

*Each set would consist of 50 to 150 exercises, depending on the material

**Only 10 discussions will be counted, 5 will count 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.

630-700 points = A

560-629 points = B

490-559 points = C

420-489 points = D

Zero –419 points = F

Attendance

- A student who fails to 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 the [IVC General Catalog](#) for details.
- Students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.

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.

- **Blackboard Support Site.** The Blackboard Support Site provides a variety of support channels available to students 24 hours per day.
- **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 and El Centro Regional Center provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC [Student Health Center](#) at 760-355-6310 in Room 2109 for more information.
- **[Mental Health Counseling Services](#)**. Short-term individual, couples, family, and group therapy are provided to currently enrolled students. Contact the IVC [Mental Health Counseling Services](#) at 760-355-6196 in Room 2109 for more information.

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

| Module/Week | Due on | Sections of the Book Covered | Assignments(HW) on MyMathLab and Discussion on Blackboard | |
|--------------------|---------------|-------------------------------------|------------------------------------------------------------------|----------------------------------------|
| 1 | 8/25 | 8.1, 8.2 | HW 1/ Discussion 1 | |
| 2 | 9/1 | 8.3, 8.4 | HW 2/ Discussion 2 | |
| 3 | 9/8 | 9.1, 9.2 | HW 3/ Discussion 3 | |
| 4 | 9/15 | 9.3, 9.4 | HW 4/ Discussion 4 | Test 1 |
| 5 | 9/22 | 10.1, 10.2 | HW 5/ Discussion 5 | |
| 6 | 9/29 | 10.3, 10.4, 10.5 | HW 6/ Discussion 6 | |
| 7 | 10/6 | 10.6, 10.7 | HW 7/ Discussion 7 | Test 2 on campus on Friday 10/9 |
| 8 | 10/13 | 11.1, 11.2 | HW 8/ Discussion 8 | |
| 9 | 10/20 | 11.3 | HW 9/ Discussion 9 | |
| 10 | 10/27 | 11.4, 11.5 | HW 10/ Discussion 10 | |
| 11 | 11/3 | 12.1, 12.2 | HW 11 Discussion 11 | Test 3 |
| 12 | 11/10 | 12.3 | HW 12/ Discussion 12 | |
| 13 | 11/17 | 12.4, 12.5 | HW 13/ Discussion 13 | |
| 14 | 12/1 | 13.1-13.5 | HW 14/ Discussion 14 | |
| 15 | 12/8 | 14.1-14.4 | HW 15/ Discussion 15 | Final on campus on Tuesday 12/8 |

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