

### Basic Course Information

Semester:	<b>Spring 2015</b>	Instructor Name:	<b>Zhong Wen Hu</b>
Course Title & #:	<b>Intermediate Algebra, Math 91</b>	Email:	<b>zhong.hu@imperial.edu</b>
CRN #:	<b>20357</b>	Webpage (optional):	<b>http://imperial.blackboard.com http://www.mathxl.com</b>
Classroom:	<b>2725</b>	Office #:	<b>2765</b>
Class Dates:	<b>2/17/2015 – 6/12/2015 Deadline to drop class with W: May 16, 2015</b>	Office Hours:	<b>MW: 10:00am -11:00 am MW: 7:10 pm -7:40 pm T: 11:15 am -11:45 am F: 10:00am -10:30 am Or by appointment</b>
Class Days:	<b>MWF</b>	Office Phone #:	<b>760-355-6489</b>
Class Times:	<b>8:15 am -9:50 am</b>	Emergency Contact:	<b>Email me or call my office phone</b>
Units:	<b>5</b>		

### 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.

### **Course Requirements and Instructional Methods**

#### **Homework**

Homework will be assigned at each class meeting. They should be on stapled arranged in the correct order. Please write your name and section number on the top right corner. Late homework will NOT be accepted. No make-up homework. At the end of the semester one lowest homework score will be dropped. It is your responsibility to check the homework assignment even if you are absent. The first 10 minutes of class will be devoted to answering your questions.

Or

You can do homework using MathXL. **The Course ID for your course is:** [XL1U-21FV-401Z-1T52](#)

**Homework will be due by the date of each test.**

**Why do I need to do homework?**

**Every semester, there are several students could not pass my class because they did not complete all of the homework assignments or did not do any homework assignments**

#### **Quiz/Pop-quiz/Group Project**

A quiz may be given at any time during any class period. It may not be announced. The number of quizzes in the semester will be instructor's discretion. The purpose is to provide a feedback on the learning outcome. The lowest quiz scores will be dropped. The quiz will contribute a small portion of the semester grade.

#### **Tests**

There will be four tests. No make-up tests will be given. The lowest score of the chapter tests will be dropped. If a test is missed, it will be the test score that is dropped. The purpose of these tests is to check your understanding of the concepts covered in the course. Most of the questions on these tests will require showing a significant amount of work. A correct answer with insufficient work will receive partial credit or no credit.

\*Bring your own papers and pens/pencils on test days.

#### **Final Exam**

At the end of the semester, a COMPREHENSIVE/CUMULATIVE Final Exam will be given. If you miss the final, it will be recorded as a zero.

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

## Course Grading Based on Course Objectives

### Grading Policy

(Pop) Quiz/Group Project	10%
Homework	10%
Tests	60%
Final Exam	20%

Total	100%
-------	------

### Grading scale for determining the final grade

- A: 90%-100%
- B: 80%-89%
- C: 70%-79%
- D: 60%-69%
- F: 0%-59%

## 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 by the instructor.
- 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

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

- **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

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
2/18	Syllabus & Introduction	
2/20	Chapter 8.1	
2/23	Chapter 8.2	
2/25	Chapter 8.3	
2/27	Chapter 8.4	
3/2	Chapter 9.1	
3/4	Chapter 9.2	
3/6	Chapter 9.3	
3/9	Chapter 9.4	
3/11	Review	
3/13	Test 1 Chapter 8 and Chapter 9	Homework is due
3/16	Chapter 10.1, 10.2	
3/18	Chapter 10.2, 10.3	
3/20	Chapter 10.4	
3/23	Chapter 10.5	
3/25	Chapter 10.6	
3/27	Chapter 10.7	
3/30	Chapter 11.1	
4/1	Review	

Imperial Valley College Course Syllabus – Math 91 Intermediate Algebra

<b>Date or Week</b>	<b>Activity, Assignment, and/or Topic</b>	<b>Pages/ Due Dates/Tests</b>
4/3	Test 2 Chapter 10	Homework is due
<b>4/6 to 4/11</b>	<b>Spring Break (Campus Closed)</b>	
4/13	Chapter 11.2	
4/15	Chapter 11.3	
4/17	Chapter 11.4	
4/20	Chapter 11.5	
4/22	Chapter 12.1	
4/24	Chapter 12.2	
4/27	Chapter 12.3	
4/29	Review	
5/1	Test 3 Chapter 11 and 12.1 to 12.3	Homework is due
5/4	Chapter 12.4	
5/6	Chapter 12.5	
5/8	Chapter 13.1	
5/11	Chapter 13.2	
5/13	Chapter 13.3	
5/15	Chapter 13.4	
5/18	Chapter 13.5	
5/20	Review	
5/22	Test 4 Chapter 12.4, 12.5, and Chapter 13	Homework is due
<b>5/25</b>	<b>Memorial Day (Campus Closed)</b>	
5/27	Chapter 14.1	
5/29	Chapter 14.1, 14.2	
6/1	Chapter 14.2, 14.3	
6/3	Chapter 14.3, Review	
6/5	Review	Homework is due
6/8	Review	
6/10	Final Exam Chapters 8 - 14	

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