

### Basic Course Information

Semester	<b>Fall 2014</b>	Instructor Name	<b>Zhong Wen Hu</b>
Course Title & #	<b>Intermediate Algebra, Math 91</b>	Email	<a href="mailto:Zhong.hu@imperial.edu">Zhong.hu@imperial.edu</a>
CRN #	<b>10410</b>	Webpage	<a href="http://imperial.blackboard.com">http://imperial.blackboard.com</a> <a href="http://www.mathxl.com">http://www.mathxl.com</a> <a href="http://zhongwenhu.wix.com/zhongwenhu">http://zhongwenhu.wix.com/zhongwenhu</a>
Room	<b>2725</b>	Office	<b>2765</b>
Class Dates	<b>08/18/2014 - 12/13/2014</b>	Office Hours	<b>MWF: 8:30 am – 9:30 am TTh: 4:35 pm – 5:05 pm Or by appointment</b>
Class Days	<b>Monday, Wednesday, and Friday</b>	Office Phone #	<b>760-355-6489</b>
Class Times	<b>1:30 pm to 3:05 pm</b>	Office contact if student will be out or emergency	<b>Ofelia Duarte (Math Department Secretary) 760-355-6155 Or Silvia Murray 760-355-6201</b>
Units	<b>5 units</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)

### 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 linear equations in one variable. (ILO2)
2. Factor polynomial expressions using a variety of methods and solve polynomial equations. (ILO2)
3. Graph linear equations and find values related to linear graphs. (ILO2)
4. Solve application problems appropriate to beginning algebra. (ILO2)

### 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 an understanding of quadratic functions, including graphing and equations.
4. Demonstrate an understanding of functions and relations, including one to one functions.
5. Demonstrate an 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.

You are welcome to use MathXL. Use the course ID: [XL1M-416D-001Z-6T52](#). However, **you will not receive any credit by doing the homework on MathXL.**

### 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%

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Total	100%
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### **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. **Consider:** specifics for your class/program
- 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.
- 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**

- 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 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 School 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 Help – Discretionary Section and Language

- **Blackboard** support center: <http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543>
- **Learning Labs:** There are several ‘labs’ on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Study Skills Center (library). Please speak to the instructor about labs unique to your specific program.
- **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, 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. We now also have a fulltime mental health counselor. For information see <http://www.imperial.edu/students/student-health-center/>. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

### Student Rights and Responsibilities

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities, please refer to the IVC General Catalog available online at [http://www.imperial.edu/index.php?option=com\\_docman&task=doc\\_download&gid=4516&Itemid=762](http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762)

### Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at <http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/>

### Anticipated Class Schedule / Calendar

Date	Readings & Assignments	Homework & Tests
8/18/14	Syllabus & Introduction	
8/20	Chapter 8.1	
8/22	Chapter 8.2	
8/25	Chapter 8.3	
8/27	Chapter 8.4	
8/29	Chapter 9.1	
9/1	Labor Day (Campus Closed)	
9/3	Chapter 9.2	Homework is due.
9/5	Chapter 9.2	
9/8	Chapter 9.3	Homework is due
9/10	Chapter 9.4	

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9/12	Chapter 9.4	
9/15	Chapter 10.1	Homework is due
9/17	Review	
9/19	Test 1	Chapter 8 and 9
9/22	Chapter 10.1, 10.2	
9/24	Chapter 10.2, 10.3	
9/26	Chapter 10.3, 10.4	
9/29	Chapter 10.5	Homework is due
10/1	Chapter 10.6	
10/3	Chapter 10.7	
10/6	Chapter 11.1	Homework is due
10/8	Review	
10/10	Test 2	Chapter 10
10/13	Chapter 11.1, 11.2	
10/15	Chapter 11.2	
10/17	Chapter 11.3	
10/20	Chapter 11.3, 11.4	
10/22	Chapter 11.4, 11.5	
10/24	Chapter 12.1,	
10/27	Chapter 12.2	
10/29	Review	
10/31	Test 3	Chapter 11 & Chapter 12.1, Homework is due.
11/3	Chapter 12.3	
11/5	Chapter 12.3, 12.4	
11/7	Chapter 12.5	
11/10	Chapter 13.1	
11/12	Chapter 13.2, 13.3	
11/14	Chapter 13.3, 13.4	
11/17	Chapter 13.5	
11/19	Review	
11/21	Test 4	Chapter 12.2 to 12.5 & Chapter 13.1 to 13.4, Homework is due
12/1	Section 13.5, 14.1	
12/3	Section 14.2, 14.3	
12/5	Review for Final	
12/8	Final Exam	

**Note: The instructor reserves the right to make changes in the syllabus if necessary due to time constraints or other unforeseen events. If so, then members of the class will be notified as soon as possible.**