

Basic Course Information

Semester	Fall 2018	Instructor Name	Rick Castrapel
Course Title & #	Intermediate Algebra Math 091	Email	rick.castrapel@imperial.edu
CRN #	10097	Webpage (optional)	spaces.imperial.edu/rick.castrapel
Room	2725	Office	2766
Class Dates	Aug 14 to Dec 6, 2018 Drop deadline: Nov 3, 2018	Office Hours	7:30-8:30am MW 3:30pm-4:30pm TR or By Appointment
Class Days	Tues and Thurs	Office Phone #	760-355-6505
Class Times	7:30am – 10:00am	Office contact if student will be out or emergency	Silvia Murray 760-355-6201 or Ofelia Duarte 760-355-6155
Units	5 units		

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 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

- 1) Introductory and Intermediate Algebra for College Students, Blitzer, Imperial Valley College Edition 978-1-256-83889-0
- 2) MathXL subscription

Course Requirements and Instructional Methods

1. Exams or Tests: There will be three tests and there will be no makeup exams given. Zeros will be given for all missed tests. Please refer to calendar for dates.
2. Final Exam: The final will be given during the last day of classes. A score of 0 will be given if the final is missed. Please refer to calendar for dates.
3. Homework: The purpose of homework is to provide students with sufficient practice to master all topics and to do well on tests and the final exam. Homework is done using MathXL (all assignments are listed online as well as the deadline). It is student's responsibility to complete them on or before the deadline regardless

whether he/she is absent. Please keep in mind that after the deadline you will not be able to work on that specific assignment because the program will lock it automatically.

4. MathXL Code: [XL30-Z15L-6022-8322](#). Please refer to the MathXL webpage for deadlines. MathXL deadlines will not be extended.

5. Up to 3% extra credit may be earned by visiting the Math Lab, the embedded tutor, and my office. Obtain one ticket only from each and return tickets for credit by March 28, 2018.

6. It is of the utmost importance that students review the material to do well on exams. Students are encouraged to form study groups to meet regularly to keep up with assignments and to study for tests.

7. Students will not be allowed to make up an exam or final exam unless you have a powerful reason to miss a test (e.g. hospitalization, jury duty, and bring the corresponding paperwork).

8. Your scores will be updated periodically in **Canvas**.

9. Tests are closed book and closed notes. You will be told in advance of formulas you need to know or those that will be provided with the test.

10. Calculator: A scientific calculator is required. Use of graphing calculators are not permitted on tests. If you use your cell phone as a calculator during a test, it must be kept flat on the table at all times. Any attempt to photograph the test will result in immediate termination of the test.

Course Grading Based on Course Objectives

The student's grade will depend on the following areas (not on total points):

Semester Tests:	60%	There will be 3 tests and there will be no makeup exams given. Zeros will be given for all missed tests.
Final Exam:	25%	The common final will be given during the last week of the semester. A score of 0 will be given if the final is missed.
Homework	15%	Done on MathXL.
Extra Credit:	3%	There is up to 3% extra credit.

All grades are calculated by using the standard scale of: A = 100---90% B = 89---80% C = 79---70% D = 69---60% F = 59% and below

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.
- 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

- Canvas support center: Accessible from your Canvas page
- 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.
- NetTutor: 24 hour online human tutor. See Canvas.

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

Information Literacy

Imperial Valley College Course Syllabus – Math 91 Intermediate Algebra

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

Math 91 Fall 2018 Tentative Schedule			
Date	Text	Event	Notes
08/14/18	14.1, 14.2		Course Introduction, Functions
08/16/18	14.3		Functions
08/21/18	14.4		
08/23/18	15.1		Inequalities and Problem Solving
08/28/18	15.2		
08/30/18	15.3		
09/04/18		Test 1	Chapters 14 and 15
09/06/18	16.1, 16.2		Radicals, Radical Functions and Rational Exponents
09/11/18	16.3		
09/13/18	16.4		
09/18/18	16.5		
09/20/18	16.6, 16.7		
09/25/18	16.7	Planetarium Show	Complex Numbers
09/27/18		Test 2	Chapter 16
10/02/18	17.1, 17.2		Quadratic Equations
10/04/18	17.3		Quadratic Equations, Review of Factoring
10/09/18	17.4		Quadratic Equations and Functions
10/11/18	17.5		
10/16/18		Test 3	Chapter 17
10/18/18	18.1, 18.2		Exponential and Logarithmic Functions
10/23/18	18.3		
10/25/18	18.4		
10/30/18	18.5		
11/01/18		Test 4	Chapter 18
11/06/18	19.1, 19.2		Conic Sections
11/08/18	19.3		
11/13/18	19.4		
11/15/18	20.1, 20.2		Sequences and Series
11/20/18		HOLIDAY	 Thanksgiving 
11/22/18			
11/27/18	20.3		Sequences and Series
11/29/18		Test 5	Chapters 19 and 20
12/04/18		Review	Final Exam Preview
12/06/18		Final	Comprehensive Final



How to Register and Enroll in Your Course

Welcome to MathXL! Your instructor has set up a MathXL course for you.

The course name is: [7:30am Math 91 10097 F18](#)

It is based on this textbook: *Blitzer: Developmental Mathematics, 1e*

To join this course, you need to register for MathXL and then enroll in the course.

1. Registering for MathXL

Before you begin, make sure you have the access code that comes with your MathXL Access Kit.

To register or buy access, go to www.mathxl.com, click the **Student** button in the Register section, and then follow the instructions on the screen.

2. Enrolling in your instructor's course

After registering, log in to MathXL with your username and password. To enroll in this course, enter the following Course ID:

The Course ID for your course is: [XL30-Z1SL-6022-8322](#)

Need more help?

To view a complete set of instructions on registering and enrolling, go to www.mathxl.com and visit the Tours page.