Basic Course Information

Semester	**Summer 2014**	Instructor Name	**Rick Castrapel**
Course Title & #	**Intermediate Algebra Math 091**	Email	**rick.castrapel@imperial.edu**
CRN #	**30043**	Webpage (optional)	**spaces.imperial.edu/rick.castrapel**
Room	**2725**	Office	**2773**
Class Dates	**June 16 to July 23, 2014** **Drop deadline: July 15, 2014**	Office Hours	**By appointment**
Class Days	**Mondays through Thursdays**	Office Phone #	**760-355-6505**
Class Times Units	**11:30am-3:15pm** **5 units**	Office contact if student will be out or emergency	**Silvia Murray 760-355-6201 or Ofelia Duarte 760-355-6155**

Course Description

A further study of the concepts of algebra. Topics covered include linear and quadratic equations, relations, functions and graphs,systems of equations, logarithmics 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 logorithmic 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 summer school. 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. If your overall score is 80% or higher you will get full credit, otherwise your grade will be your overall percentage translated to points. For example: if you score 91%=100 points, if you score 72%=72 points.
4. MathXL Code: XL1J-K1Z1-901Z-4T52. Please refer to the webpage for deadlines.
5. There will be no extra credit. Students must learn the material to pass this course.
6. It is up most important 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).

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:	**0%**	There is no extra credit. Students must learn the material to pass this course.

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 – 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

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

Week#	Activity, Assignment, and/or Topic	Pages
Week 1 June 16-19	**Syllabus & Introduction** **Functions and Relations** A. General and specific functions, one-to-one functions B. Graphing functions C. Domain/Range D. Applications **Inequalities and problem Solving** A. Reviewing linear inequalities B. Compound inequalities C. Equations and inequalities involving absolute value	Chapter 8 Chapter 9
Week 2 June 23-26	**June 23 Test 1 Chapters 8, 9** **Radicals** A. Solving equations containing radical expressions B. Introducing complex numbers C. Applications of radicals	Chapter 10
Week 3 June 30-July 3	**Quadratic Equations** A. Solving quadratic equations by factoring B. Solving quadratic equations by completing the square and by using the quadratic formula C. Equations that are reducible to quadratic forms D. Graphing quadratic functions E. Applications	Chapter 11
Week 4 July 7-10	**July 7 Test 2 Chapter 10, 11** **Exponential and logarithmic functions and equations** A. Exponential and logarithmic graphs B. Properties of logarithms C. Solving exponential and logarithmic equations D. Applications of exponential and logarithmic functions	Chapter 12
Week 5 July 14-17	**Nonlinear Functions, Nonlinear Systems and Conic Sections** A. Additional graphs of functions B. Nonlinear systems of equations C. The circle and the ellipse D. The hyperbola **Sequences and Series** A. Sequences and series B. Arithmetic sequences C. Geometric sequences	Chapter 13 Chapter 14
Week 6 July 21-23	**July 21 Test 3 Chapters 12, 13, 14** **July 22 Review all chapters for final exam** **July 23 Final Exam**	

MathXL®

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: Math 91 30043 Summer 2014
>
> It is based on this textbook: *Blitzer: Introductory & Intermediate Algebra for College Students, 4e*

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: `XL1J-K1Z1-901Z-4T52`

Need more help?

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