IMPERIAL VALLEY COLLEGE
MATH 090 – INTERMEDIATE ALGEBRA
Course Syllabus – Fall 2011

Instructor: Dr. Alejandro Cozzani
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Webpage: www.imperial.edu/alex.cozzani
Office: 2767
Office Hours: Mondays from 9:45 AM to 10:15 AM and 4:15 to 4:45 PM.
      Tuesday: first and third Tuesday of the month from 10:50 AM to 11:50 AM
          and second and fourth Tuesday of the month from 4:10 PM to 5:10 PM (September–November).
      Wednesdays from 9:45 AM to 10:15 AM and 4:15 to 4:45 PM.
      Thursdays from 4:10 PM to 5:10 PM.

Class Meetings: Mondays and Wednesdays from 10:15 AM to 12:05 PM in room 2725.
Class Code: CRN 10681
MathXL Code: XL0P-Q1YG-201Y-79I2

Class Meetings: Mondays and Wednesdays from 12:15 PM to 2:05 PM in room 2725.
Class Code: CRN 10682
MathXL Code: XL0P-Q1YW-401Y-39I2

Authors: Lial, Hornsby, McGinnis.

Prerequisite: Math 080 with a grade of “C” or higher or appropriate placement.

Course Philosophy: Topics covered include real number system, polynomials, rational expressions, exponential and radical forms, linear and quadratic equations, relations, functions, and graphs, systems of equations and logarithmic and exponential functions.

Measurable Course Objectives and Minimum Standards for Grade of “C”
1. Demonstrate an understanding and comprehension of basic ideas and elementary concepts of algebra.
2. Demonstrate skills in solving first degree equations and inequalities.
3. Demonstrate an understanding of polynomials, skills in the operations with polynomials, and the factoring procedure.
4. Demonstrate an understanding of skills in operations with the simplifications of rational expressions.
5. Demonstrate an understanding of skills in operations with and simplifications of exponential expressions.
6. Demonstrate proficiency in solving problems when dealing with linear equations and their applications.
7. Distinguish the various approaches in solving quadratic equations.
8. Demonstrate an understanding of functions and relations.
9. Demonstrate the ability to solve linear systems of equations algebraically and graphically.
10. Demonstrate proficiency to graph, solve, manipulate, and apply exponential and logarithmic functions and equations.

INSTITUTIONAL LEARNING OUTCOMES (ISLOs):
1. Communication Skills
2. Critical Thinking Skills
3. Personal Responsibility
4. Information Literacy
5. Global Awareness

Student Learning Outcomes (SLOs)
1. Students will solve a word problem using the quadratic formula.
2. Students will be able to recognize and solve a system of equations in an applied setting.
3. Students will be able to recognize and plot graphs of exponential and logarithmic functions.
4. Students will be able to manipulate rational expressions and solve equations involving them.

Grading Criteria
Course must be taken on a “letter-grade” (LG) basis only.

Grading Policy
The student’s grade will depend on the following areas:

Semester Tests: 60%
There will be 3 tests, each worth 20%. There will be no makeup exams given. Zeros will be given for all missed tests.

Final Exam: 25%
A score of 0 will be given if the final is missed.

Homework 15%
Refer to the homework section.

Extra Credit: 0%
There will be no extra credit. You 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
Class Rules and Expectations

1. Failure is not a good choice, so apply yourself, study, do not give up on the first try, attend class regularly, ask for help when needed, and always do your best!

2. The student is expected to attend class meetings regularly. After the SECOND absence, if the student does not drop the class via Webstar, he/she will receive an “F” as final grade; so it is the student’s responsibility to drop before the deadline.

3. What constitutes an absence? Not showing up to class during a regular class meeting, or arriving more than 20 minutes after the beginning of the class, or leaving more than 20 minutes before the end of the class.
   a. Example: Class starts at 10:00 AM and ends at 12:00 PM. If you arrive after 10:20 AM you are absent. If you leave before 11:40 AM you are marked absent. If you leave the room for more than 20 minutes for whatever reason, you are absent.

4. What constitutes a tardy? Arriving within the first 20 minutes after the beginning of the class or leaving within the last 20 minutes before the end of the class (3T = 1A).
   a. Example: Class starts at 10:00 AM and ends at 12:00 PM. If you arrive between 10:01 AM and 10:20 AM you are marked tardy. If you leave between 11:41 AM and 12:00 PM you are marked tardy as well as if you “disappear” from the room for no more than 20 minutes (i.e. having lunch). If you need to use the restroom, you are expected to return within a reasonable time period.

5. If a student reaches the third absence after the deadline, his/her grade will be reduced one letter grade for each subsequent absence.
   a. Example: your current grade is a “B.” On the 4th absence you will get a final grade of “C;” on the 5th one, your grade is “D;” and on the 6th one, your final grade is “F.” Exceptions include—for example—hospitalization for several days and with appropriate documentation.

6. Deadline to drop the class with a “W” is November 11, 2011. Late drops on graded classes will require that the student receive an F.

7. Class materials such as a notebook or binder with lined paper, pen, pencil, scientific calculator (no graphing calculator), and the textbook will be brought to every class meeting.

8. It is up most important that students review the material to do well on exams.

9. Students are encouraged to form study groups to meet regularly to keep up with assignments and to study for tests and the final exam.

10. Late homework assignments are not be accepted because MATHXL automatically will block past due assignments, so it is student’s responsibility to complete them by the deadlines.

11. Students will not be allowed to make up a test or exam or final exam, so plan on being present those days.

12. No photocopied textbooks are allowed. No audible pagers or cell phones allowed. You will be dropped on your second offense for disturbing the class in this manner.

13. No food or drinks are allowed in the classroom.

14. No children are allowed in the classroom.

15. Absences attributed to the representation of the college at officially approved conferences and contests and attendance upon field trips will not be counted as absences (this includes sports). However, the student is responsible for notifying the instructor and for the work done in class. If your absence coincides with an exam, it is student’s responsibility to contact the instructor via e-mail or by phone before the following class meeting to make it up. Failure to do so will result in a “zero” for that particular exam.
16. **Discipline:** you need to understand that this is a college class, the “good high school days are gone.” Appropriate behavior is expected at all times (i.e. not speaking out of turn, raise your hand to talk and wait until acknowledged, paying attention, avoid side comments, not answering your cell phone in class, working in assignments for another class, etc.). For this reason, no discipline problem will be tolerated.
   
   a. First offense: warning.
   b. Second offense: student will immediately be dropped from the class.

17. 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. DSP&S, Room 2117, Health Sciences Building, (760) 355-6312.

18. **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. Use MathXL (all assignments are listed online as well as deadlines). 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. Each assignment must be at least 90% complete to get full credit for that particular HW. For example: HW # 1 = 92% = full credit, HW # 2 = 87% = No Credit.

19. **Calendar** (It may be subject to modification according to students’ needs)

<table>
<thead>
<tr>
<th>WEEK # START DAY</th>
<th>CORE CONTENT</th>
<th>TESTS</th>
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<tbody>
<tr>
<td>1 August 22</td>
<td>Day 1: Syllabus / Introduction Day 2: Chapter 1</td>
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<tr>
<td>2 August 29</td>
<td>Day 1: Chapter 1 Day 2: Chapter 2</td>
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<td>3 September 5</td>
<td>Day 1: No Classes Day 2: Chapter 2</td>
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<td>4 September 12</td>
<td>Day 1: Chapter 3 Day 2: Chapter 3</td>
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<tr>
<td>5 September 19</td>
<td>Day 1: Review Chapters 1–2–3 Day 2: Test</td>
<td>Test # 1 (Chapters 1–2–3)</td>
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<td>6 September 26</td>
<td>Day 1: Chapter 4 Day 2: Chapter 4</td>
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<td>7 October 03</td>
<td>Day 1: Chapter 5 Day 2: Chapter 5</td>
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<td>8 October 10</td>
<td>Day 1: Chapter 6 Day 2: Chapter 6</td>
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<tr>
<td>9 October 17</td>
<td>Day 1: Review Chapters 4–5–6 Day 2: Test</td>
<td>Test # 2 (Chapters 4–5–6)</td>
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<td>10 October 24</td>
<td>Day 1: Chapter 7 Day 2: Chapter 7</td>
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<td>11 October 31</td>
<td>Day 1: Chapter 8 Day 2: Chapter 8</td>
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<td>12 November 07</td>
<td>Day 1: Chapter 9 Day 2: Chapter 9</td>
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<td>13 November 14</td>
<td>Day 1: Review Chapters 7–8–9 Day 2: Test</td>
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<td>Date</td>
<td>Day 1: Chapter 10</td>
<td>Day 2: Chapter 10</td>
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<td>November 21</td>
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<td>November 28</td>
<td>Review for Final Exam</td>
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<td>December 05</td>
<td>Day 1: Final Exam</td>
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