

*Intermediate Algebra
Math 91
Spring, 2013*



*Tues./Thurs. 7:30 - 10:00 a.m.
Code 20221 Rm. 2500 (Math Lab)
5 Units*

*This class uses a web based delivered
form of instruction and mastery.*

Instructor: Mrs. Riehle
Office: Rm. 2761

Phone: 1-760-355-6521 **Email:** betsy.riehle@imperial.edu

Office hours: Monday & Wednesday 1:30-2:30 p.m.
 Tuesday & Thursday 10:30 - 11:30 a.m.

Office by Appointment times are also available

Prerequisite: Math 80/81 with a grade of “C” or better or appropriate placement

Course Description:

This course is 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)

Course Objectives:

Through various activities and assessments, students will:

1. Demonstrate an understanding of radical expressions and equations
2. Demonstrate an ability to solve systems of equations with applications, including both 2 and 3 variables.
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.

Student Learning Outcome (SLO): Students will among other things:

- Solve quadratic equations by factoring, completing the square, and using the quadratic formula.
- Solve equations involving radicals.
- Recognize and graph equations of conic sections
- Solve three by three linear systems by elimination and/or substitution.
- Solve an application involving exponential functions.

Text: Introductory and Intermediate Algebra for College Students, 4th edition
 Author: Robert Blitzer

Math XL Access Code (this may be purchased with the text or separately)

Materials: 1" ring binder notebook and dividers

Grading: Your semester grade will be based on an accumulation of points:

Tests - 100 points each (4 tests during the semester; see schedule for dates)	90% - 100% A 80% - 89% B 70% - 79% C
Homework – 100 points (Math XL percentage)	60% - 69% D 0% - 59% F
Classwork – 75 points	
Notebook – 25 points (graded 3 times: 5,10,10 points)	

Final Exam - 150 points
 (May 7, comprehensive)

Grade Record

You can always know your grade if you keep a record: add all your points and divide by the total points possible as of that time. This will give you a percentage of your points. Use the scale on the front page to translate into a letter grade.

Test 1 _____	Homework _____	Final Exam _____
Test 2 _____	Classwork _____	Bonus Points: _____, _____, _____
Test 3 _____	Notebook _____, _____, _____	
Test 4 _____	(5) (10) (10)	

Keep Track of Your Classwork points: (3 points each)

Jan. 15 X	Jan. 17
Jan. 22	Jan. 24
Jan. 29	Jan. 31
Feb. 5	Feb. 7
Feb. 12	Feb. 14
Feb. 19	Feb. 21

Feb. 26	Feb. 28
March 5	March 7
March 12	March 14
March 19	March 21
March 26	March 28
April 2 No Class Spring Break	April 4 No Class Spring Break

April 9	April 11
April 16	April 18
April 23	April 25
April 30	May 2
May 7 Final Exam	

Comments:

1. Attendance is required (Students may be dropped when absences exceed the number of hours which the class meets per week . . . 3 tardies equal 1 absence) Leaving class early will be counted as an absence unless cleared with instructor in advance.
2. A scientific calculator may be used during tests. Cell phones may not be used as calculators during tests.
3. **If you leave the classroom for any reason during a test, without clearing with instructor, you will not be allowed to continue working on the test!!**
4. Homework (Math XL) can be accessed online. You will need access to a computer. You may use the computers in the Math Lab. New assignment will be added weekly. Every assignment has a due date. Make sure you know the due date. **Keep up with your assignments. Playing catch-up with math is a dangerous habit.**
5. No Make-Up Tests will be given!! If you miss a test your score will be recorded as a zero.
(Possibility of rescheduling a **test** with at least one class meeting advanced notice
One Test score may be replaced with your classwork points)
6. No Food or Drinks consumed in the classroom (campus rule)
(water bottles are o.k. if you keep the cap secure)
7. Cell Phone ringers must be turned off while in the classroom
This rule will be strictly enforced during tests!!!
No Texting During Class.
8. Any Student creating a disturbance or disrupting class may be dropped. (be respectful of other students . . . do not use disrespectful or offensive language)
9. Tutoring is available in the Math Lab or Learning Center (Library)
10. Any evidence of cheating will result in a failing grade!!
11. The last day to drop this class with a “W” grade is **April 13.**
12. 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 Science Building 1-760-355 –6312

Intermediate Algebra/Math 91
Spring, 2013
Schedule/Assignments **

Text: *Introductory and Intermediate Algebra
For College Students* 4th ed. by Robert Blitzer

Instructor: Mrs. Riehle

Instruction Dates	Reading/Homework (Math XL) Assignment No Homework will be accepted after Test
January 15 January 17	Introduction/Review Sec. 4.1 and 4.2
January 22 January 24	Sec. 4.3 and 4.4 Sec. 4.5
January 29 January 31	Sec 8.1 and 8.2 Sec. 8.3 and 8.4
February 5 February 7	Sec. 9.1 and 9.2 Test 1 /Chapters 4 & 8
February 12 February 14 	Sec. 9.3 Sec. 10.1 and 10.2
February 19 February 21	Sec. 10.3 Sec. 10.4
February 26 February 28	Sec. 10.5 Sec. 10.6 and 10.7
March 5 March 7	Sec. 11.1 Test 2/Chapters 9 & 10
March 12 March 14	Sec. 11.2 and 11.3 Sec. 11.4

Instruction Dates	Reading/Homework (Math XL) Assignment
March 19 March 21	Sec. 12.1 and 12.2 Sec. 12.3 and 12.4
March 26 March 28	Sec. 12.5 Test 3/ Chapters 11 & 12
April 1-5	Spring Break/Easter Break . . . No Class
April 9 April 11	Sec. 13.1 and 13.2 Sec. 13.3 and 13.4
April 16 April 18	Sec. 13.5 Sec. 14.1
April 23 April 25	Sec. 14.2 and 14.3 Test 4/ Chapter 13 & 14
April 30 May 2	Review Review
May 7	Final Exam This Exam is comprehensive

** I reserve the right to change this schedule with notification to student