

**Course:** Basic Intermediate Algebra II (Math 128), Fall 2013

**Meeting time & Location:** (Section 4493) TTH 7:15 PM - 10:05 PM, MSA-202

**Instructor:** Ms. W. Miao

**Office Hours:** 6:50 – 7:15 PM TTH

You are strongly encouraged to seek help on homework assignments or on course related questions during office hours.

**e-mail:** [miaowe@wlaac.edu](mailto:miaowe@wlaac.edu) Please include “Math 128” in the subject field of your message.

We will be using Piazza for class discussion. The system is highly catered to getting you help fast and efficiently from classmates and myself. Rather than emailing questions to me, I encourage you to post your questions on Piazza. If you have any problems or feedback for the developers, email [team@piazza.com](mailto:team@piazza.com).

Find our **class page** at: <http://piazza.com/wlaac/fall2013/math128/home>

**Prerequisite:** Completion of Math 127 with a grade of C or better

**Contents:** This course consists of the study of algebraic and graphical solutions to quadratic equations, logarithmic and exponential functions, elementary theory of equations and inequalities and conics. A wide variety of statement problems are included in the course.

**Course Objectives:** Upon completion of this course, students will be able to carry out numerical operations and manipulate expressions, including expressions with rational and negative exponents, complex numbers and logarithms; recognize functional relationships in the form of graphs, data or symbolic equations and solve a variety of problems involving functions; graph a variety of functions and relations and connect the solutions of problems to their graphs; solve a variety of equations and inequalities, systems of equations and inequalities using algebraic and graphical methods, including radical, exponential and logarithmic equations; and model application problems using numerical, symbolic and graphical methods and interpret results.

**Student Learning Outcomes:**

- **Critical Thinking:** Classroom activities and online assignments will require you to use sound reasoning to analyze, solve and interpret problems.
- **Communication:** You are expected to show and explain your work in a clear, well-organized manner in the assignments you turn in.
- **Quantitative Reasoning:** This is the core of the course of Statistics. It will be demonstrated in all the work you do in this course.
- **Civic Responsibility:** Students are expected to respect classmates as well as the instructor. This includes refraining from disruptive behavior (coming late, leaving early, wandering in and out of class, eating/drinking during class, side conversations, instant messaging, etc) and practicing positive behaviors (cooperation, civility, helpfulness, constructive engagement in class activity).
- **Technical Competence:** Utilize the appropriate technology – including web-based systems and hand-held graphing calculators – as well as pencil-and-paper methods for “skill drills” and problem solving.
- **Ethics:** All students will maintain the highest standards of academic honesty. You may NOT give or receive help on tests or quizzes, and you may not turn in someone else’s work as your own.

**Important Dates:**

- 9/6: Last day to drop to receive enrollment fee and tuition refund
- 9/6: Last day to drop to avoid a “W” on permanent record
- 11/15: Last day to drop to receive a guaranteed “W”

**Course Materials:**

Textbook (**required**): Larson R. (2010). *Intermediate Algebra, 5<sup>th</sup> ed.*, Brooks/Cole, Cengage learning. ISBN-13: 978-0-547-10217-7; ISBN-10: 0-547-10217-8

Calculator (**required**): Calculators are in general not allowed in the tests. However, scientific calculators are required to complete the homework assignments as well as tests on specific topics. Topics on using the calculator will be given in class whenever needed. No cell phones or any other electronic devices can be used to replace the calculator.

**WebAssign (required)**: This is a web-based e-learning application. You will need to do homework assignments and take quizzes through *WebAssign*. To register *WebAssign*, go to <http://webassign.net>, click on **Log In**. Once you're in, provide the class key (**elcamino 4657 8127**) and submit. Verify that the class is "Math 128 Fall 2012". To create a WebAssign account, provide your username, password, your name and email address. To complete the registration, purchase the access code (can be purchased online for about \$75 including ebook). You have a grace period of 2 weeks to complete the registration. To login *WebAssign* in the future, go to <http://webassign.net/login.html> (Bookmark this page for quick access). Once you enter the course, you can do online assignments.

**Assessments:**

- 10%: Online *WebAssign* homework assignments; one homework assignment for each section except for Chaps 1~6; up to 2 attempts, record the score from the last attempt.
- 10%: Online *WebAssign* quizzes; one quiz for each of Chap 7 to Chap 10; up to 2 attempts, record the score from the last attempt.
- 30%: Four tests (One lowest grade will be replaced by the average of all 4 tests)
  - Test #1: Chap 7
  - Test #2: Chap 8
  - Test #3: Chap 9
  - Test #4: Chap 10 & 11.4
- 20%: Three review tests on the following chapters
  - Review Test #1: Chapters 9 ~ 11
  - Review Test #2: Chapters 6 ~ 8
  - Review Test #3: Chapters 1 ~ 5
- 30%: Comprehensive departmental final exam

**Grading:**

Percentage cutoff	Grade
89.5%	A
79.5%	B
69.5%	C
59.5%	D
Below 59.5%	F

**General rules on homework/exams:**

1. Online assessments need to be completed and submitted on or before the due date given for each assignment/quiz. Refer to the course calendar (last page) for the exact dates of online assignments/quizzes reopening toward the end of the semester.
2. There are **no makeup tests for any reason**. No tests will be given prior to the scheduled date either. Lowest test score will be replaced by the average of four test scores if you do not miss any one test. If you have to miss one test, the missing one will be replaced by 80% of your final exam. If you have to miss more than one test, you will be dropped from the class.
3. Final exam will be a departmentally designed comprehensive examination.
4. Tests are closed book and closed-notes. No scratch papers are allowed during the test. No sharing of the calculator is permitted (if calculators are required for the test). Cell phone should be turned off (not on vibrate) and stored away. If cell phone is seen during the test, you will be treated as cheating on a test.
5. On the test date (including final exam), the test will not be given to a student 15 minutes late or after someone finishing the test, whichever comes first.

6. Students are bound by the Code of Academic Conduct and Reporting Policy that addresses issues of academic dishonesty. If you are caught cheating on an exam, you will receive a grade of zero for that exam and the incident will be reported and become part of your permanent record. Please note that a zero grade assigned as a result of academic dishonesty will **not** be treated as the lowest score.

**Attendance/Participation:** Good attendance and active participation are crucial for the success of this class. Please arrange your schedule accordingly prior to enrolling the class. Frequently missing the class is not acceptable. Coming late or leaving early is also unacceptable. You may be dropped from the class for an accumulation of absence (including being tardy/leaving early) of 5 hours. Absence is defined as not showing up in class regardless of the reasons (being sick, attending jury duty, attending funerals, going on business trips, or whatever). However, it is still your responsibility to drop the class if you do not wish to complete. Failure to drop in a timely manner might result in an F on your academic record. Final exam will not be given to a student who missing excessively from the class. In general, you should expect to spend 3-4 hours every day in reviewing the materials covered, completing the homework, and previewing the materials to be covered in the next class meeting.

Students are expected to have all the necessary course-related materials/handouts ready when coming to the class. Cell phones and any electronic devices should be turned off (not on vibrate) and put away. No cell phones and materials unrelated to the class should be visible during the class. All students should participate in discussions and work on practicing sample questions given inside the class. Any disruptive behavior includes but is not limited to talking, listening to iPod's, reading materials other than classroom text, and obstruction or disruption of classes may result in the exclusion from the class.

Students are responsible for all the announcements made in the class.

### Tentative Course Calendar

<b>Week</b>	<b>Class Activities</b>	<b>Online Assignment Available – Due dates</b>
#1 (8/27 & 8/29)	Class Introduction Review Chaps 1 ~ 4	Chaps 1 ~ 4 HW: 8/27 – 9/2
#2 (9/3 & 9/5)	Review Chaps 5 & 6	Chaps 5 & 6 HW: 8/27 – 9/9
#3 (9/10 & 9/12)	7-1 ~ 7-3	Chap 7-1 ~ 7-3 HW: 8/27 – 9/16
#4 (9/17 & 9/19)	7-4 ~ 7-6	Chap 7-4 ~ 7-6 HW: 8/27 – 9/23 Chap 7 Quiz: 8/27 – 9/23
#5 (9/24 & 9/26)	<i>Test #1 (Chap 7)</i> 8-1 ~ 8-3	Chap 8-1 ~ 8-3 HW: 8/27 – 9/30
#6 (10/1 & 10/3)	8-4 ~ 8-6	Chap 8-4 ~ 8-6 HW: 8/27 – 10/7 Chap 8 Quiz: 8/27 – 10/7
#7 (10/8 & 10/10)	<i>Test #2 (Chap 8)</i> 9-1 ~ 9-3	Chap 9-1 ~ 9-3 HW: 8/27 – 10/14
#8 (10/15 & 10/17)	9-4 ~ 9-6	Chap 9-4 ~ 9-6 HW: 8/27 -10/21 Chap 9 Quiz: 8/27 – 10/21
#9 (10/22 & 10/24)	<i>Test #3 (Chap 9)</i> 10-1 & 10-2	Chap 10-1 & 10-2 HW: 8/27 – 10/28
#10 (10/29 & 10/31)	10-3, 10-4, 11-4	Chap 10-3, 10-4 & 11-4 HW: 8/27 -11/4 Chap 10 Quiz: 8/27 – 11/4
#11 (11/5 & 11/7)	<i>Test #4 (Chaps 10 &amp; 11)</i> Review Chaps 9 ~ 11	Online assignments reopen Chaps 9 – 11 (11/5 – 11/11)
#12 (11/12 & 11/14)	<i>Review Test #1 (Chaps 9 ~ 11)</i> Review Chaps 6 ~ 8	Online assignments reopen Chaps 6 – 8 (11/12 – 11/18)
#13 (11/19 & 11/21)	<i>Review Test #2 (Chaps 6 ~ 8)</i>	Online assignments reopen Chaps 1 – 5 (11/19 – 11/27)
#14 (11/26 & 11/28)	Review Chaps 1 ~ 5 <b><i>Holiday on 11/28 ~ No Class!</i></b>	
#15 (12/3 & 12/5)	<i>Review Test #3 (Chaps 1 ~ 5)</i> Review for final exam	
#10 (12/10)	<b><i>Final Exam</i></b>	