Math 97: Intermediate Algebra *(Hybrid)*

Item 6294 7:00-7:50 Tues/Fri Room 17-102

Instructor: Aaron Warnock
Phone: 206.878.3710 ext. 3668
Office: 18-204
E-mail: awarnock@highline.edu
Fax: 206.870.4850
Website: http://flightline.highline.edu/awarnock **MML:** www.coursecompass.com

(When leaving a voice-mail or sending e-mail, please include your name and state the class you are in.)

(Make sure you address any fax to me.)

Office Hours: *(also available by e-mail or appointment)*
Monday, Tuesday, Thursday, Friday: **9:15 am-10:30 am** *(in office, 18-204)*
Wednesday: **10:00 am-10:50 am** *(in MRC, 26-319)*

Text: Intermediate Algebra, A Graphing Approach, 4th ed, by K. Elayn Martin-Gay
(We will be using MyMathLab (MML) online for homework, quizzes and exams, so you have several choices for how you want to purchase the book. You can purchase a new book from the bookstore with a MML access code included, or you can buy an individual code directly from the website or bookstore with an eBook included (but no hard copy of the book).

Prerequisite: Math 91 with a minimum grade of 1.7 or COMPASS algebra score of 47.

Introduction: Math 97 is an intermediate algebra course. After successfully completing this course, you will be ready for your first college level math course. We will be doing a lot of arithmetic with a focus on problem solving so that you will be solidly prepared for your future math courses.

Calculator: A graphing calculator is *required* for this course. The TI-83 or TI-84 (*plus* optional) is recommended. The use of symbolic calculators such as the TI-89 will not be allowed during exams. Furthermore, the use of all calculators may be prohibited during some exams (forewarning will be given). Calculators may be rented from the math department for about $30 on a first come first serve basis. To rent a calculator, pay the rental fee at the cashier in building 6 and then take the form to the circulation desk in the library. Bring your graphing calculator to class every day.

Attendance/Class Participation: Attendance is *extremely* important to your being successful in this course. Being a hybrid class, you will be doing a lot of learning on your own, and then we will review together twice a week in class. If you miss a class, you will have even more material to learn and understand on your own. Throughout the course, I will call upon students to answer questions. This will be a very interactive course, so be ready! Please be on-time to class, to respect your classmates and instructor. *Please do not pack up your things early.*

MML: Homework and quizzes will be completed online on **MyMathLab (MML)** on a regular basis. It is very important that you keep up with the homework and quiz assignments. See the additional handout on MML for more specific information and the calendar to stay on top of due dates. In my experience with MML, the students who actually do the assignments do much better in the class. It's really up to you how well you will do this quarter.

Group Work: Group work will consist of worksheets completed in class with some of your classmates. Each group must work together with all members participating and contributing. Each person has strengths in different areas. Explaining math ideas to others helps improve your understanding of it as well.

-***Tentative*** dates for the group projects are as follows:

GP 1: April 30th **GP 2:** May 18th **GP 3:** June 4th

Exams: Three exams will be given during the quarter as well as a comprehensive final exam. ***No make-up exams*** will be given except for *extreme* circumstances, and you must notify the instructor **on or before the day of the exam.** *These exams will be administered on MML in the computer lab* – **room 30-311**, and ***identification must be brought to each exam.***

-***Tentative*** dates for the exams are as follows:

Exam 1: April 14th **Exam 2:** May 4th **Exam 3:** May 21st

Final: Tuesday, June 8th, 8:00-9:50 **In Bldg 30-311**

Important Dates:
May 31st – Memorial Day – campus closed

April 16th – Last day to drop *without* a "W".
May 26th – Last day to withdraw *with* W"

Grading: Your final grade is based on the following

Homework on MML	10%
Quizzes on MML	10%
Reviews/pre-tests on MML & Group Projects	10%
Exams	45%
Comprehensive Final Exam	25%

Grading Scale

96-100 = 4.0	85 = 3.1	75 - 76 = 2.2	65 = 1.3
94-95 = 3.9	84 = 3.0	73 - 74 = 2.1	64 = 1.2
92-93 = 3.8	83 = 2.9	72 = 2.0	62 – 63 = 1.1
91 = 3.7	82 = 2.8	71 = 1.9	60 – 61 = 1.0
90 = 3.6	81 = 2.7	70 = 1.8	58 – 59 = 0.9
89 = 3.5	80 = 2.6	69 = 1.7	56 – 57 = 0.8
88 = 3.4	79 = 2.5	68 = 1.6	55 = 0.7
87 = 3.3	78 = 2.4	67 = 1.5	0 – 54 = 0.0
86 = 3.2	77 = 2.3	66 = 1.4	

Class Notes: Copies of the outline of class notes will be available before class each day to print and bring to class if you like for following along. Because this is a hybrid class, we will be going quickly through material many times and the handout will probably help you keep up. ☺

Cell Phones: The use of cell phones, pagers, and palm pilots in class is strictly prohibited. Failure to comply may result in your removal from the classroom.

Math Resource Center (MRC): Students are encouraged to use the MRC (located in Building 26-319) as a place to study and get additional help outside of class and the instructor's office hours. This is a great place to work together with students from the rest of the class, or get tutoring from other students. You can even use MML on the computers in the center.

Special Concerns: If you have any special concerns about this class, please talk to me personally in my office. The more I know about you individually, the more I can help you be successful in this course. If you need course adaptations or accommodations because of dis-Ability; if you have emergency medical information to share with me; or if you need special arrangements in case the building must be evacuated, please provide me with the Letter of Accommodation you have received from the Office of Access Services. Access Services is located in Building 6 in the Student Development Center.

Academic Dishonesty: Cheating, plagiarism, and other forms of academic dishonesty are unacceptable at Highline Community College and may result in lower grades and/or disciplinary action. It is both your right and responsibility to be familiar with the document entitled: Student Rights and Responsibilities code WAC 1321-120 adopted by the Board of Trustees of Community College District 9 on December 17th, 2007. This is available in the counseling center or online at http://www.highline.edu/stuserv/vpstudents/srr.html.

Course Objectives:

- Know key terms related to the coordinate plane, graph points and lines in the rectangular coordinate system by hand.
- Understand the concept of functions, know the different ways of describing a function, determine domain and range of functions, and evaluate functions.
- Solve linear equations and application problems.
- Solve linear, compound, and system of inequalities.
- Solve absolute value equations and inequalities.
- Understand the concept of slope, recognize the different forms of the equation of lines, write equations of lines, and create linear models from a given data.
- Understand complex numbers and perform basic operations with complex numbers.
- Simplify and perform operations on radical numbers or expressions, and solve equations involving radical expressions.
- Know and apply the different methods of solving quadratic equations: factoring, taking the square root, completing the square, and quadratic formula.
- Solve quadratic and rational inequalities.
- Know when and how to use the graphing calculator to evaluate or graph functions.
- Solve application problems related to the topics listed above.