

**Math 98: Intermediate Algebra for Calculus**  
**Item 6324: ONLINE**

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*(Make sure you address any fax to me.)*

**Website:** <https://people.highline.edu/awarnock/>

**MML:** <https://mylabsplus.highline.edu/>

**Office Hours:** *(available in person, online, by e-mail or appointment)*

Mon /Wed/Thurs: **10:00 am - 11:30 am, 1:30-2:15 pm**, Tues/Fri: **Online** – *e-mail to schedule*

Thursday: **10:45 pm - 11:30 pm online** *(click on “Virtual Office Hours” under Course Home)*

*(Also available in the “Virtual Office Hours” during the day if you e-mail or call and ask to meet there.)*

**Course Summary:**

This course will expose students to a variety of algebraic techniques and functions that will prepare them for calculus. Focus will be placed on quadratic, rational, and radical functions with emphasis on algebraic techniques used to combine and simplify them. Techniques will include factoring, simplifying (adding/subtracting/multiplying/dividing) polynomials, rational and radical expressions, and relationships between equations and their respective functions and graphs.

**Prerequisite:** Math 091 with a minimum grade of 2.0 or COMPASS algebra score of 47.

**Course Outcomes:** At the end of this course you should be able to

1. Apply mathematical operations to simplify a variety of mathematical expressions including polynomials, rational, and radical expressions.
2. Apply mathematical operations to solve a variety of mathematical equations including polynomials, rational, and radical equations.
3. Successfully construct a sign chart for a variety of functions, specifically polynomial and rational, and discuss their relationship to inequalities and graphs.
4. Examine key features of important function families-quadratic, rational, and radical functions.
5. Recognize, describe, and analyze functional relationships presented symbolically, tabular, graphically and verbally.
6. Effectively use graphing calculators to describe and model functions.
7. Solve real world problems using techniques discussed in this course.
8. Model situations and relationships using polynomial functions.
9. Communicate, summarize, and interpret mathematical ideas in written and verbal form.

**Text:** *Intermediate Algebra-Graphs & Models*, 3<sup>rd</sup> edition. Bittinger, Ellenbogen, Johnson,  
Custom Print for Highline *(you will not find this book elsewhere!)*  
*See the handout “First Day Tasks - Required Computer/Internet Tools” for text options.*

**Other Required Materials:**

- **A graphing calculator**, preferably a TI-83 or 84. You can purchase one at most stores and online for \$70 – 120, or can rent one for one quarter from the college for ~\$30. If you’re taking Math 98, then you’ll be taking Math 141/142/151 etc, which will also require a graphing calculator, so I would recommend you purchase one.
- A notebook and folder (a 3-ring binder with pockets and extra paper is recommended), pens/pencils, eraser, and extra paper (possibly graph/grid paper).

**MML:** Our course takes place in MyLabsPlus (MLP) and MyMathLab (MML). Pay very close attention to the [calendar](#) and stay on top of all due dates. It is very important that you keep up with the homework and quiz assignments. You will be expected to spend 15-20 hours a week on MyMathLab studying, watching videos, and completing assignments. This is an online class, you will get out of it what you put into it. It's really up to you how well you will do this quarter. You must take responsibility for your own learning to succeed.

To Access MML, go to <https://mylabsplus.highline.edu/> and login using your MyHCC login and password. If you have not activated your MyHCC account, you can do so at the help desk in building 30. You will need your access code from the bookstore to continue or you can purchase one online.

**Online Section Schedule:** For each section of material, you will complete the following.

1. **Read** the section in the **Textbook** and take notes
  - a. either hard copy or online
2. **Watch** the section **Video** in MyMathLab and **Aaron's Videos** & take notes
  - a. this is a pre-requisite for doing the HW
  - b. you **MUST** watch the videos Aaron creates as well. Blank copies of the notes can be found under **Aaron's Videos**
3. Complete the **Online MyMathLab Homework**
  - a. **MUST** watch section video and Aaron's video first (pre-requisite)
  - b. infinite attempts at each problem
  - c. may be completed in multiple sittings
  - d. accepted late up to 7 days past the due date for -20%
4. Complete the **Online MyMathLab Quiz**
  - a. First attempt is "free" to take, 2<sup>nd</sup> and 3<sup>rd</sup> attempts require 70% on the HW (pre-requisite)
  - b. 3 attempts on each quiz (highest score counts)
  - c. each individual quiz must be completed in one sitting at each attempt (they are timed)
  - d. these **CANNOT** be done late, once the deadline has passed, they are closed
  - e. **once** during the quarter each student will be allowed one extension for a missed quiz
5. After each **Exam**, complete the **Partial Credit Request (PCR)**
  - a. Submit it to the **Dropbox** (see above) by noon on Friday following the exam.
  - b. This is probably the most important assignment we do (dramatically improves exam score)

**IMPORTANT:**

- **The due dates on the calendar are when the assignments are finally due. You should not wait until their due dates to complete them. Especially on exam weeks, make sure you are working ahead, because it will feel like a lot is due right before an exam. There is, but you're supposed to be working on it all through the week, and even working ahead.**
- **You should always be writing out the problems and working them out with paper and pencil, even though you're submitting your answers online.**

**Exams and Quizzes:** Four exams will be given during the quarter as well as a final exam. All exams are comprehensive and may contain material from the whole quarter to-date. *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**.

- Exams are taken in the new Testing Center, room 25-630 (the top floor of the library) on the dates below.
- There are limited spaces in the testing center, so an e-mail will go out each Monday before an exam with a sign-up list where you will pick one-hour slots from the times below. If your only available time is very specific, look for that e-mail on Monday's as it will be on a first-come first serve basis.
- The times are
  - **Fridays from 5 pm to 8 pm**
  - **Saturdays from 10 am to 2 pm**
- You will need picture ID to take the test, no notes or texts. Make sure you bring your graphing calculator.

*Dates for the exams are as follows:*

**Exam 1:** Oct. 14/15<sup>th</sup>    **Exam 2:** Oct. 28/29<sup>th</sup>    **Exam 3:** Nov. 18/19<sup>th</sup>    **Exam 4:** Dec. 2/3<sup>rd</sup>

**Final Exam:** December 9/10<sup>th</sup>

**Grades:** Your final grade is based on the following

Homework on MML	12%
Quizzes on MML	12%
Exams	52%
Comprehensive Final Exam	24%

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

**Other Important Dates:**

Nov. 11<sup>th</sup> – Veteran’s Day – **campus closed**

Nov. 24-25<sup>th</sup> – Thanksgiving Day – **campus closed**

October 17<sup>th</sup> – Last day to drop without a “W”

November 30<sup>th</sup> – Last day to withdraw with W”

**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.

**Computer Problems Helpline:** The instructor cannot troubleshoot computer problems. Please call the helpline at 206-870-4880 or e-mail them at [helpdesk@highline.edu](mailto:helpdesk@highline.edu). If your concern is about MLP or MML, e-mail [helpdesk@highline.mylabsplus.com](mailto:helpdesk@highline.mylabsplus.com) or call (888) 883-1299.

**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 a 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 99 room 180.

**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 17<sup>th</sup>, 2007. This is available in the counseling center or online at <http://www.highline.edu/stuserv/vpstudents/srr.html>.