8am Daily 17-102 Item #6345	Winter 2014 Math 098: Intermediate Algebra for Calculus	12:10pm Daily 17-102 Item #6349

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Course Description: 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.

Course Objectives: *The student will be able to …*

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

Text: *Intermediate Algebra: Graphs and Models* (**4rd ed**.), by Bittinger, Ellenbogen, and Johnson.

Prerequisite: Math 091 with a minimum grade of 2.0 or a MMT Algebra Core score of at least 77.

Calculators: A graphing calculator is required for this course.

i. The TI-83/4 family of calculators 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).

ii. Calculators may be rented from the math department on a first come first serve basis.

Homework: The format and grading criteria for homework is as follows.

i. **MyLabsPlus:** Graded homework will be administered online thru MLP. The website is: https://mylabsplus.highline.edu/

Tests: There will be two midterm exams given during the quarter.

i. The exams will be cumulative, but will emphasize the material covered since the last test.

ii. If you miss a test, a score of 0% will be assigned. All tests must be taken during the scheduled class time. *No make-up tests*.

iii. Spoken and written communication as well as sharing of calculators during exams is prohibited.

Final Exam: A comprehensive final exam will be held in the regular class meeting room. See the quarterly class schedule for dates and times. The final exam is mandatory and a grade of 0.0 may be assigned at the instructor's discretion to those who fail to take the final exam.

Grading: Homework: 10%, Tests 1: 25%, Test 2: 30%, Final Exam: 35%.

95-100%	4.0	**%%%**	**GPA**	**%%%**	**GPA**	**%%%**	**GPA**	**%%%**	**GPA**
93-4%	3.9	82%	3.2	75%	2.5	68%	1.8	61%	1.1
91-2%	3.8	81%	3.1	74%	2.4	67%	1.7	60%	1.0
89-90%	3.7	80%	3.0	73%	2.3	66%	1.6	59%	0.9
87-8%	3.6	79%	2.9	72%	2.2	65%	1.5	58%	0.8
85-6%	3.5	78%	2.8	71%	2.1	64%	1.4	57%	0.7
84%	3.4	77%	2.7	70%	2.0	63%	1.3	0-56%	0.0
83%	3.3	76%	2.6	69%	1.9	62%	1.2		

Policies and Notes:

i. **Attendance**: You are responsible for all material covered in class including all announced changes to the schedule and assigned course work. (If you miss class, *you* are still responsible for everything in class).

ii. **Cell Phones**: The use of phones in class is strictly prohibited (except where a part of the class). Failure to comply may result in your removal from the classroom.

iii. **Math Resource Center**: Cost-free mathematics tutoring is available at the MRC. The MRC is located in building 26, room 319.

iv. **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 132I-1210 adopted by the Board of Trustees of Community College District 9 on December 13, 2007. This is available in the counseling center.

v. **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 99 in the Student Development Center.

vi. **Emergency Procedures**: In the event of an emergency, follow your instructor's directions. If you are told to evacuate the building, take your valuables because you may not be allowed to re-enter. Do not leave campus until your instructor or another campus official tells you to do so. If you may need assistance evacuating, notify your instructor today. To prepare yourself for an emergency, review the evacuation map on the last page of the emergency placard in your classroom and subscribe to HCC Alert, a text message service for emergencies (https://bob.highline.edu/hccalerts/).

vii. **Important Dates**: The last day to drop without incurring a "W" and the last day to officially withdraw with a "W" are listed in the quarterly.

Math 098 – First Day Tasks
READ THE FOLLOWING CAREFULLY, and complete them BY THE SECOND DAY OF CLASS.

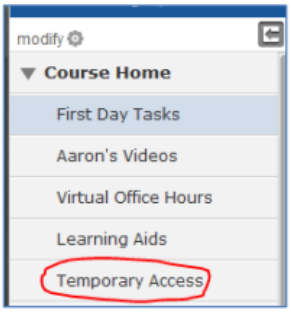
- Read the **Syllabus** completely.

- **myHCC**: Activate your myHCC account if you have not already done so. (The username and password for this account are what you use to access Angel and your Highline email account.)
    - For new students, your admissions packet from Highline should include a letter with your "personal activation code;" if you have that code, go to https://myinfo.highline.edu/activate/. Otherwise, go to the help desk in building 30.

- **MyLabsPlus** (MLP): Once you have your myHCC account, log into the online site for the math course, at https://mylabsplus.highline.edu Log in using your myHCC username and password. You should see a link to our Math 91 class listed.
    - You MUST use the web address above to access the site – you CANNOT access the class through Angel or the website printed on the student access kit if you bought it at the bookstore.
    - If you are registered for the class but cannot log in, let Dusty know immediately.

- **Highline Email**: Log into your Highline student email account at https://students.highline.edu/ to make sure it works, and if you have another email account you use regularly, set the Highline account to forward email to your preferred account.
    - Information about how to forward email is available at https://helpdesk.highline.edu/studentemail_forward.php

- **Textbook & MyMathLab Access**: Purchase access to the online homework and a version of the textbook. Your choices are described below.
    - If you want the access code and a physical book to read and use for note taking, go to the Highline bookstore and get the item labeled "INTERMEDIATE ALGEBRA W/MML (CUSTOM BOOK) BUNDLE" for ~$115.
    - If you want the access code and the eBook (no physical book, and you learn well from on-screen documents) you can go to the Highline bookstore and get the "MML Standalone Access Kit" for ~$92, OR you can log into your MyLabsPlus account and try to view the textbook or do online homework, then use a credit card when asked for an access code.
    - Temporary Access: You now have the option of three weeks temporary access. Click on Temporary Access on the left side of the screen and follow the directions. If you choose to use the temporary access, you MUST buy your access code from the bookstore (with the custom book or standalone code) and submit it before the deadline stated. You do not have the option of purchasing access online if you use the Temporary Access. There is no excuse to not begin working on the course assignments right away since you can get temporary access until you're able to buy the book and/or code.



- The textbook for the class is a NEW, CUSTOM textbook that is not used anywhere else. You must purchase it at the bookstore. Even if you get a copy of the book from a Highline student, you will still need to purchase the access code.

- Once you are in MLP, you can begin the first homework assignment. Good Work!