



SYLLABUS

Intermediate Algebra

MAT 1033 / 4 credit hours

Spring 2016

16-Weeks

Instructor: Hady (Parham) Ahmady Phoulady

Course Meeting Days and Times: T/TH 5:30 PM – 7:10 PM

Effective Dates: January 12 – May 3, 2016

Office Location: Library Building, Room 204A

Office hours: T/TH 5:10 PM – 5:30 PM

Phone: (813) 817- 5784 (cell)

Email Address (preferred contact method): hahmadyphoulady@hccfl.edu

MyMathLab Course ID: [ahmadyphoulady97191](#)

The best way to contact me is by email. You can expect the instructor to respond to your emails within 24 hours of receiving your email, except on weekends and holidays.

Other office hours are available by appointment only.

For the slides, visit: <http://www.cse.usf.edu/~hady/courses/mat1033/sp16/index.html>

COURSE DESCRIPTION:

Topics include relations, functions, polynomial operations, factoring, absolute value, rational expressions, equations (linear, quadratic, radical, rational), systems of equations, inequalities, exponents, radicals, graphs of linear equations and inequalities in two variables, complex numbers, and applications. Elective credit only. No credit given if the student has prior credit for any MAC course.

REQUIRED MATERIALS:

MyMathLab Student Access Code which will include the following:

1. Access to MyMathLab Homework
2. E-book of INTERMEDIATE ALGEBRA” by BLITZER (6th edition).

Optionally, the student may wish to purchase the bundled package which includes a MyMathLab access code and a physical copy of the textbook.

ADDITIONAL MATERIALS NEEDED:

1. Pencils (to be used on all tests).
2. Calculator - Each student should have his or her own scientific or graphing calculator (**no symbolic calculator, such as TI89, TI89+ ,TI92or HP48**). Calculators may be used on all homework, tests and quizzes.

Students cannot use their cell phones as a calculator in class.

GRADING SYSTEM

TESTING:

A cumulative **mandatory** midterm and final exam will be given.

Tests will not be made –up

TEST CORRECTIONS:

Students have the opportunity to correct the midterm. Students will receive $\frac{1}{2}$ **point** back on his or her test for each missed question that is corrected according to the directions provided by the instructor. Do this carefully and neatly. Show all work in pencil and turn it in by the date indicated by the instructor.

ONLINE TESTS:

Four online tests will be given throughout the term. Students will have two attempts at each online test and 75 minutes to complete each attempt. If a student takes all the tests and scores higher on the final exam than on one or more of the tests, the lowest test grade will be replaced by the final exam score. If a student misses one test, the grade for that test will be the grade from the final exam. If a student misses more than one test, the first zero score will be replaced with the grade from the final exam and all other grades will remain zeroes. **The deadline for each online test is at 11:59 pm of the due date.**

HOMEWORK:

The homework consists of assignments on the Mymathlab website. All assignments will be graded by the computer for credit.

Every student gets a free 14 day grace period to use MyMathLab so it is very important that students register themselves in their MyMathLab course within the first 2 days of class. Refer to the last page of this syllabus for directions on how to register.

Students should see their instructor or call the toll free Product Support services number **(1-800-677-6337)** if they have any questions or problems. If any student has any difficulty with his or her home computer, he or she may go to any Brandon Campus computer lab, the Math Lab (BLRC 200) or Student Success Center (BACA 207) and use the school computers to do the online homework.

SUGGESTION: As the students work through the online homework questions, they should write down the directions and problems neatly and keep the work organized so they have this to refer to when studying for quizzes and tests.

NOTE: Through each homework assignment, there are buttons to click to get explanations and assistance with the homework problems. There are no explanations of how to work the problems or assistance available for the questions on the online tests.

	EVENT	PERCENTAGE
1.	Midterm	20%
2.	Four Online Tests	40%
3.	Homework	10%
4.	Participation	10%
5.	Final Exam	20%

GRADING SCALE	
90 – 100 %	A
80 – 89 %	B
70 – 79 %	C
60 – 69 %	D
0 – 59 %	F

Final grades may be viewed via WebAdvisor at the end of each term (www.facts.org).

CLASS ATTENDANCE/PARTICIPATION:

You are required to attend class regularly and punctually. If you miss classes, regardless of the cause, your opportunities for learning and academic success will be adversely affected. There are no excused absences; however, a student may miss one class without penalty. After the first absence, ten points will be deducted from the participation grade for each class missed. An exception to this rule can be made if all work scheduled for the day missed is completed the same day at home with a passing grade. If absent, it is expected that the student will learn the missed sections using the textbook, e-textbook, and/or videos and will have attempted the assigned homework by the next class. Whenever a student is late or leaves before class is dismissed TWO times, it will count as one absence. If a student arrives late, it is the student's responsibility AFTER CLASS THAT SAME DAY to notify the instructor that he or she is not absent.

Attendance will be taken every class. Absences in excess of 10% of the total class meetings may result in a failing grade. Also, these absences will result in veterans being reported to the VA. It is extremely important to be on time to class. All early departures should be discussed and cleared with the instructor prior to class. Students are always responsible for letting the instructor know they are present if they arrive in the classroom after the instructor has taken the attendance.

RELIGIOUS OBSERVANCES:

HCC will reasonably accommodate the religious observances, practices, and beliefs of students in its admissions, class attendance and examination policies, and work assignments. Students must notify instructors in writing one week prior to a religious observance.

WITHDRAWAL:

The last day for the students to withdraw from the course is **FRIDAY, MARCH 25th, 2016**. Additional information regarding the withdrawal policy can be found in the HCC Catalog, 2015 - 2016.

INCOMPLETE:

Before an incomplete grade is given, all of the following requirements must be satisfied:

1. You must have completed more than two-third of the course.
2. You must have at least a "C" average.
3. You must provide written documentation justifying the request.

INCOMPLETE GRADES MUST BE APPROVED BY THE INSTRUCTOR AND CONFIRMED BY THE ACADEMIC DEAN. Additional information regarding the incomplete policy can be found in the HCC Catalog, 2015 - 2016.

ACADEMIC SUCCESS CENTER (MATH LAB):

The Math Lab is located in BLRC 200. It is open Monday – Thursday from 9:00 AM to 7:30 PM and Friday from 9:00 AM to 1:00 PM. It will be closed on Saturday, Sunday and all college holidays. The phone number is 259-6598. All services are free to HCC students! The Math Lab will be open to all students on a walk-in basis, but each student will need to sign in every time they enter the lab. In order for students to receive consistent instruction, students need to bring their class notes with them when requesting assistance. For more information, please see: <http://www.hccfl.edu/br/student-services/academic-success-center/asc-frontpage.aspx>

Also available to students is SmarThinking: a 24/7 online tutoring service provided free to students at Hillsborough Community College. For more information, go here: <https://smarthinking.hccfl.edu/index.php>

ACADEMIC DISHONESTY POLICY:

Cheating is a serious offense. The cheating policy is described in the HCC Student Handbook. Anyone caught cheating on any work that contributes to the grade in this course will be given an automatic zero for that assignment. If cheating occurs on a test the grade of that test will not be replaced with a higher grade on the final exam and if cheating occurs on a quiz the grade of that quiz will not be dropped.

REQUEST FOR ACCOMMODATION:

Any student whose disability falls within the American Disabilities Act (ADA) and requires accommodations should contact the Office of Services for Students with Disabilities. The Brandon office is located in the Student Service Building Room 109. You may also reach the office by phone at (813) 253-7914. Requests for accommodations should be submitted to the instructor within the first two weeks of the course. Accommodations cannot be applied retroactively. With that in mind, you are encouraged to seek assistance from the Disabilities Office as soon as possible, and to present the accommodations memo to your instructor immediately upon receiving it. Presenting a memo after the fact will not entitle you to redo work or retake exams with accommodations.

TEST CENTER INFORMATION:

After discussing testing in the test center with his/her instructor, a student must email the test center to make the appointment to test AT LEAST 24 HOURS in advance of taking the test. The Brandon Test Center email address is: brtesting@hccfl.edu. Within the message of the email, the student must provide the following information:

1. Student's name
2. Instructor's name
3. Course Name
4. Test Number
5. Date and time student wishes to take the test (Hours are: Monday & Tuesday 8:00 – 5:30, Wednesday & Thursday 8:30 – 3:00, and Friday 8:30 – 10:30)

The student will receive an Automatic reply: Appointment - APPROVAL confirmation.
The Brandon test center is located in BSSB 203.

STUDENTS WHO TEST IN THE TESTING CENTER MUST COMPLETE THE TEST ON OR BEFORE THE SCHEDULED IN CLASS TEST DAY.

EMAIL:

One of the personal tools offered to students is an official HCC student email address. Students are expected to use this email as the primary means of communicating with their instructor outside of class.

RECORDING OF CLASS SESSIONS:

A student shall not, without my express authorization, make or receive any recording, including but not limited to audio and video recordings, of any class, co-curricular meeting, organizational meeting, or meeting with me. Further, it is not permissible to post my class lectures/course materials on the web.

EQUITY/EQUAL ACCESS POLICY:

Hillsborough Community College is an equal access/equal opportunity employer that makes employment and education-related decisions without regard to race, color, gender, religion, national origin, age, disability, sexual orientation, marital status or any other bias that is or may be prohibited by laws. In addition, the college does not discriminate in employment practices or in the admission and treatment of students. HCC is committed to equitable treatment for all students and employees and to learning and working environment free of discrimination and harassment for current as well as future students and employees. The college provides equal educational opportunities for qualified individuals with disabilities and complies with, as well as, supports the Americans with Disabilities Act. HCC's Equity Officer ensures compliance with federal and state laws prohibiting discrimination and sexual harassment. Employees and students who believe they have been a victim of discrimination or sexual harassment should contact: Dr. Joan B. Holmes, Special Assistant to the President for Equity and Special Programs. Her telephone number and email are: 813-253-7043, jholmes16@hccfl.edu

SAFETY AND SECURITY:

Students who notice situations that represent potential or real safety or security problems should notify the local campus Public Safety Office:

• 253-7911 •

MAT 1033 OBJECTIVES
BLITZER 6th Ed. (Fall 2014)

- I. FACTORING
 - A. Factor quadratic expressions (**Section 5.4, 5.5, 5.6**)
 - B. Factor sums and differences of cubes (**Section 5.5, 5.6**)
 - C. Factor polynomials with common factors (**Section 5.3, 5.6**)
- II. ALGEBRAIC FRACTIONS AND RATIONAL EQUATIONS
 - A. Determine values for which an algebraic fraction is undefined (**Section 6.1**)
 - B. Perform operations and express in simplest form (**Sections 6.1, 6.2, 6.3, 6.4**)
 - C. Solve rational equations (**Section 6.6**)
 - D. Solve problems involving variation (**Section 6.8**)
- III. RADICALS AND RATIONAL EXPONENTS
 - A. Express in simplest radical or rational exponent form (**Sections 7.1, 7.2**)
 - B. Perform operations (**Sections 7.3, 7.4, 7.5**)
 - C. Rationalize denominators (**Section 7.5**)
 - D. Solve radical equations (**Section 7.6**)
- IV. COMPLEX NUMBERS
 - A. Define complex numbers (**Section 7.7**)
 - B. Perform operations (**Section 7.7**)
- V. QUADRATIC EQUATIONS
 - A. Solve by factoring, taking roots, completing the square, quadratic formula (**Sections 5.7, 8.1, 8.2**)
 - B. Use the discriminate to determine the nature of the roots (**Section 8.2**)
- VI. LINEAR EQUATIONS AND INEQUALITIES IN TWO VARIABLES
 - A. Graph the solution sets (**Section 2.4**)
 - B. Find the equation given various criteria (**Section 2.5**)
 - C. Express the equation in various forms (**Section 2.5**)
- VII. SYSTEMS OF LINEAR EQUATIONS AND INEQUALITIES IN TWO VARIABLES
 - A. Solve systems of equations graphically and algebraically (**Section 3.1**)
 - B. Solve systems of inequalities graphically (**Section 4.4**)
- VIII. INTRODUCTION TO FUNCTIONS
 - A. Define function (**Section 2.1**)
 - B. Express functions numerically, symbolically, and graphically (**Sections 2.1, 2.2**)
 - C. Find domain, range, and function values (**Section 2.2, 2.3**)
- IX. ABSOLUTE VALUE EQUATIONS AND INEQUALITIES IN ONE VARIABLE
 - Solve and express solutions graphically and using interval notation (**Section 4.3**)
- X. APPLICATIONS OF THE ABOVE TOPICS (**Sections 5.7, 6.7, 3.2**)



Student Registration for MyMathLab

Website Description

MyMathLab is a website you can use to assess your math skills, do homework, take quizzes, view videos, get live tutorial help, and more! Access to this website is with a MyMathLab Student kit that comes with your **new** textbook. For more information about this website, including system requirements, go to www.mymathlab.com. You can find helpful video tutorials on registration under the Tours and Training tab at the MyMathLab website.

On-line Registration

You'll need:

- Your **access code** found in your student access kit.
 - A valid **email address**
 - Your Professor's **Course ID** Number: ahmadyphoulady97191
 - Your **school zip code**: 33619
1. Go to www.pearsonmylab.com.
 2. Click on the **Register** button below Students
 3. Review the **Before You Start** information to ensure you have everything you need to register; Click Next.
 4. Enter your Course ID from your instructor and click Find Course.
 5. Under Enrollment Options click on Access code if you have one or click buy now if you need to purchase online. Enter you access code in the boxes and click **Next**.
 6. Read the Privacy Policy and License Agreement screen and click "I Accept" to continue.
 7. If you have previously taken a course in Pearson MyLabs or MathXL course, click **Yes**, and enter your username and password, If you are not sure, click on Not Sure and enter your email address. The system will try and look you up. If you have never had a Pearson account click on **No**, to create your login and password..
 8. Fill in all required Personal Information, select your school from the drop-down list, then create your own personal login name & password for this site. Your password must have at least eight characters and include at least one number and one letter. Do not use the login name for the password. We recommend using your email address as your login name.
 9. Choose 1 of 4 security questions (for use if you forget your password) & type the answer. Click **Next**.
 10. Your **Confirmation & Summary** screen appears; write down your confirmed login/password (a confirmation email will be sent to you. If you use a Spam email blocker, be sure to allow emails from Pearsoned.com). Click the MyMathLab **Log In Now** button and use the log in name & password you just created to enter MyMathLab. In the future, you will enter your MyMathLab course from this site, www.pearsonmylab.com, so it's a good idea to bookmark this page. You will not have to register again for this course.
 11. Under **Courses you are taking**, click on the Course name to access your professor's web material.

Important: You **MUST** install all required software **plugins** to use this website from a home or work computer. A link to the Installation Wizard is located from a button within the MyMathLab website --run the [MyMathLab Installation Wizard](#). AOL users must minimize that browser and use Internet Explorer. You must also disable any pop-up blockers for this site only. Safari and Firefox can also be used as browsers.

Inside MyMathLab

Once you are in your MyMathLab course, you will see a series of buttons on the left. Use these to access your online homework, take sample quizzes, and work your Study Plan. Textbook material (videos, worked examples, Tools for Success, etc.) is found under Chapter Contents. Your professor may have customized this website, so features & button names may vary. For Technical Support go to <http://247.support.pearsoned.com/>; you can send an email or use chat from this site. You may also call Toll Free 1-800-677-6337, Monday through Friday 8AM – 8PM, Sun. 5-PM-12AM EST.