

MAT 1033 - Intermediate ALGEBRA
Fall 2011
T, TH 12:30PM- 1:45PM

Instructor	Joel Mercer	
Office	NM 117	
OFFICE HOURS	On Campus	Virtual
	M, W Noon -12:30pm;4:00pm-5:30pm T, TH 12-12:30pm;1:45pm- 2:00pm;3:15-5:30pm	Sun 5:00pm – 11:00pm
Telephone	791-2696	
Fax	(727) 791-2620	
Email	mercerojoel@spcollege.edu	
Angel Course Link	https://angel.spcollege.edu/	
Instructor Web Page	http://it.spjc.edu/course_info/inquiry.cfm?number=423	



Optional Text	<i>Intermediate Algebra</i> , 6 th Edition; Tobey & Slater, Prentice Hall ISBN: 9780321578297
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Required Course Site	MyLab / Mastering (http://pearsonmylabandmastering.com) is a website that provides an <u>electronic copy of the text</u> , video lectures, tutorials, animations, practice problems, student solutions manual, and test reviews. For access you'll need 2 codes.	
	Course code:	MERCER54952
	Student access key:	Purchasable online through MYMATHLAB's website or in one of SPC's bookstores .

Course Prerequisite	MAT 0024 or appropriate score on Mathematics Placement Test.
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COURSE DESCRIPTION

Major topics include factoring, algebraic fractions, radicals and rational exponents, complex numbers, quadratic equations, rational equations, linear equations and inequalities, systems of linear equations and inequalities,

introduction to functions and applications. 1033 extends the algebraic skills of MAT 0024 (Elementary Algebra) to prepare students for College Algebra (MAC 1105). The complete Approved Course Outline for this course is given at http://www.spcollege.edu/clw/math_science/courses/MAT1033.htm

MAJOR LEARNING OUTCOMES

1. The student will use knowledge of properties and terminology when working with mathematical expressions.
2. The student will demonstrate understanding of algorithmic processes and concepts when performing algebraic manipulations, interpretations and computations on mathematical expressions, equations and inequalities.

TESTING

There will be five (5) tests and a comprehensive final given during the term. My lab homework and quizzes will also be assigned. All online work is accessible via [MyLab / Mastering](http://pearsonmylabandmastering.com) (<http://pearsonmylabandmastering.com>) .

*The tests count 50% of the grade. The final counts 30% of the grade. My lab assignments count 20% of the grade. The lowest test will be dropped when computing the course average. . **NO MAKE-UP TESTS WILL BE GIVEN.** If one test is missed, the score on the final will be substituted for the score of the missed test. If more than one test is missed, the grade for those missed exams will be zero. The TI-83 graphing calculator, which is **recommended** for the course, may be used on all tests .*

Attendance

Students are required to attend class regularly and on time. Students who do not attend during the first two weeks of class will be automatically withdrawn from the course by the college and will be responsible for tuition fees. Attendance will be recorded at the start of each period. Late arriving students are responsible for signing in at the end of the class to avoid being counted absent. Except in an emergency, a student who needs to leave early should notify the instructor at the beginning of the period. When absent, it is the student's responsibility to learn what was missed. Students missing class are strongly encouraged to contact the instructor. The college-wide attendance policy is also included in the [SYLLABUS ADDENDUM](http://www.spcollege.edu/webcentral/policies.htm) <http://www.spcollege.edu/webcentral/policies.htm>.

HOMEWORK: *Selected homework exercises will be assigned.*

GRADING POLICY: *The grading scale is:*

90 – 100 = A

80 – 89 = B

70 – 79 = C

60 – 69 = D

Below 60 = F

Course Average Formula = .20* (My lab Average) + .50(Test Average) + .30(Final)

WITHDRAWAL PROCEDURE:

Instructors can no longer withdraw students from classes. If a student wishes to withdraw from a course, it is the responsibility of the student to withdraw either online through [MySPC](#) or with the help of an advisor in the registration office. If the withdrawal is completed by the [Drop date](#), a grade of “W” will be recorded which does not impact the student’s GPA. If the withdrawal occurs after the [Drop date](#), the student will receive a grade of WF (withdrew-failing). The WF grade is punitive; it has the same impact on the GPA as an F. Students in the third attempt of a course who withdraw will receive a WF regardless of the date of withdrawal. Students who do not attend during the first two weeks of class will be automatically withdrawn from the course by the college and will be responsible for tuition fees. Also, students who do not show sufficient active participation (i.e. completion of tests and quizzes and regular attendance) in the course by the [Drop date](#), will be administratively withdrawn by the college and receive a WF. Students who withdraw from all classes may be required to repay some or all of the financial aid received for the term. Should you consider totally withdrawing from all classes before the [Drop date](#), it is important that you consult the Scholarships & Student Financial Assistance office on your home campus to understand your options and the consequences of total withdrawal.

DISABILITY STATEMENT:

If you wish to receive special accommodations as a student with a documented disability, please make an appointment with the Learning Support Specialist, SS 104, 791-2710. If you have a documented hearing loss, please contact the Program for the Deaf/Hard of Hearing, SS 101, 791-2628 (V/TDD). If you will need assistance during an emergency classroom evacuation, please contact your campus Learning Specialist immediately about arrangements for your safety. Offices of Services for Students with Disabilities 791-2628 or 791-2710.

Federal and State law requires a person designated as a "sexual predator or offender" to register with the Florida Department of Law Enforcement (FDLE). The FDLE then is required to notify the local law enforcement agency where the registrant resides, attends or is employed by an institution of higher learning. Information regarding sexual predators or offenders attending or employed by an institution of higher learning may be obtained from the local law enforcement agency with jurisdiction for the particular campus, by calling the FDLE hotline (1-888-FL-PREDATOR) or (1-888-357-7332), or by visiting the FDLE website at www.fdle.state.fl.us/sexual_predators. If there are questions or concerns regarding personal safety, please contact the Provost, Associate Provost, Campus Security Officer or Site Administrator on your campus.

Intermediate Algebra, Tobey/Slater, 6th Edition
Homework Assignment

<u>Section</u>	<u>Page</u>	<u>Problems</u>
2.1	63	1-65 odd
2.2	69	1-33 odd
2.4	82	1-17 odd
2.5	90	1-33 odd
2.6	101	1-55 odd
2.7	107	1-47 odd
Ch. 2 Test	123	1-18 all
Cumm. Test	124	1-18 all
3.1	130	1-33 odd
3.2	140	1-23 odd, 45, 46
3.3	149	1-37 odd, 54-61 all
3.4	157	1-27 all
3.5	166	1-49 odd
3.6	177	1-19 odd, 33, 35, 37
Ch. 3 Test	191	1-21 all, except 8
Cumm. Test	193	1-24 all, except 14, 19
4.1	206	1-49 odd
4.3	224	1-21 odd, 32-35 all
4.4	232	1-25 odd
Ch. 4 Test	244	1, 2, 3, 4, 5, 6, 10, 13, 14
Cumm. Test	245	1-20 all, except 18
5.1	253	1-57 odd
5.2	258	1-8 all
5.4	268	1-38 all
5.5	275	1-64 all
5.6	282	1-73 odd
5.7	287	1-40 all
5.8	294	1-29 odd, 33, 39, 43, 47, 48
Ch. 5 Test	303	1-26 all, except 7, 8, 9
Cumm. Test	305	1-28 all, except 15

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<u>Section</u>	<u>Page</u>	<u>Problems</u>
6.1	313	1-47 odd
6.2	320	1-31 odd
6.3	327	1-19 odd
6.4	333	1-28 all
6.5	339	1-27 odd, 31, 37, 47, 49
Ch. 6 Test	350	1-16 all
Cumm. Test	351	1-22 all, except 4, 8
7.1	358	1-79 odd
7.2	367	1-89 odd
7.3	372	1-63 odd
7.4	381	1-73 odd
7.5	389	1-31 odd, 45
7.6	397	1-83 odd
Ch. 7 Test	415	1-27 all
Cumm. Test	417	1-22 all
8.1	424	1-45 odd
8.2	433	1-47 odd
8.5	459	1-23 odd
Ch. 8 Test	479	1-8 all, 14-17 all
Cumm. Test	481	1-15 all, 19-22 all