

Mac 1105 - COLLEGE ALGEBRA

Spring 2017

Instructor	Joel Mercer
Office	NM 117
OFFICE HOURS	M, W: 3:15pm – 5:30pm; T, TH 3:00pm – 3:30pm, 4:45pm – 5:30pm Virtual Hours: T 10:00 am – 3:00pm
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myCourses Link	https://mycourses.spcollege.edu/login.asp
Instructor Web Page	http://www.spcollege.edu/instructors/id/mercero.joel

Required Course Website Site	<p>MyMathLab (ISBN 9780321199911) , www.mymathlab.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 a Student access key.</p>	
	Student access key:	<p>The student access key is purchasable separately online through MYMATHLAB's website or in one of SPC's bookstores.</p>
Optional Text	<p>College Algebra Essentials LL W / MML by Blitzer ,4th edition (ISBN 9780321869715)</p>	
Course Prerequisite	MAT 1033 – or appropriate score on Mathematics Placement Test.	

COURSE DESCRIPTION

Major topics include: functions and functional notation; domains and ranges of functions; graphs of functions and relations; operations on functions; inverse functions; linear, quadratic and rational functions; absolute value and radical functions; exponential and logarithmic properties, functions, and equations; systems of equations and inequalities; applications such as curve fitting, modeling, optimization, exponential and logarithmic growth and decay. Three hours weekly.

MAJOR LEARNING OUTCOMES

1. The student will display knowledge of the fundamental concepts of algebra when determining characteristics and properties of relations and functions.
2. The student will demonstrate an ability to solve and graph a variety of equations and inequalities, relations and functions.
3. The student will demonstrate understanding of the concepts of this course.

TESTING

There will be five (5) tests during the semester. Online mymathlab(www.mymathlab.com) homework and quizzes will also be given. Offline homework may be collected as well. At the end of the term you will be required to sit for a comprehensive final examination. The final will count 30% of the course grade and the tests will count 50%. The homework average counts 10%. The quiz average counts 10%. The lowest test will be dropped when computing the course average. **NO MAKE-UP TESTS WILL BE GIVEN.** If any **test** or **quiz** is **missed**, the grade assigned will be **zero**. Any **late MML homework** receives a **5%** reduction on the final score. The TI-83(84) graphing calculator, which is recommended for this course, may be used on all tests. Calculators such as TI-89s, TI-92s, Voyager, TI Nspires are **NOT** permitted on 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 <https://www.spcollege.edu/addendum/>

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 = .50* (Test Average) + .30* (Final) + .10*(homework average) + .10*(quiz average).

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.

ACCESSABILITY SERVICES:

This course is designed to be welcoming to, accessible to, and usable by everyone, including students who are English-language learners, have a variety of learning styles, have disabilities, or are new to online learning. Be sure to let me know immediately if you encounter a required element or resource in the course that is not accessible to you. Also, let me know of changes I can make to the course so that it is more welcoming to, accessible to, or usable by students who take this course in the future.

If you have documentation of a disability or feel you may have a disability:

St. Petersburg College recognizes the importance of equal access to learning opportunities for all students. Accessibility Services (AS) is the campus office that works with students who have disabilities to provide and/or arrange reasonable accommodations. Students registered with AS, who are requesting accommodations, are encouraged to contact their instructor by the first week of the semester. Students who have, or think they may have, a disability (e.g. learning disability, ADD/ADHD, psychiatric, medical/orthopedic, vision, and/or hearing), are invited to contact the Accessibility Coordinator (AC) that serves your campus for a confidential discussion. To find your AC for your specific campus, please go to the college-wide Accessibility Services website: <https://www.spcollege.edu/accessibility>

If you wish to receive special accommodations as a student with a documented disability, please make an appointment with the Learning Support Specialist.

Accessibility Resources (727)791-2523
(727) 791-2765(FAX)
(727) 791-2422(TTY)
(727) 474-1907(VP)

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.

Please check MyCourses regularly for announcements and possible changes to this schedule. Homework assignments are available in MyMathLab corresponding to each section assigned. Please check MyMathLab regularly for due dates. In general, homework is due by 11:59 pm on the 2nd class meeting of each week.

COLLEGE ALGEBRA

Assignments

College Algebra Essentials, 4th Edition, Blitzer

	<u>Section</u>	<u>Page</u>	<u>Problems</u>
WK 1	1.2	118	1-79 odd
	1.3	132	1-9 odd, 55-73 odd
WK 2	1.4	142	1-53 odd
	1.5	160	1-105 odd, 127, 129, 141
WK 3	1.6	178	1-75 odd
	1.7	195	1-93 odd
WK 4	Test 1 covers 1.2 – 1.7		
	2.1	224	1-91 odd
	2.2	238	1-75 odd
WK 5	2.3	255	1-71 odd
	2.4	266	1-23 odd
	2.5	282	1-11 odd; 17-27 odd; 33-41 odd; 47-117 odd, 129-134 all, 141-144 all
WK 6	2.6	297	1-81 odd
WK 7	Test 2 covers 2.1 – 2.6		
	2.7	309	1-51 odd
WK 8	3.1	343	1-43 odd
WK 9	3.2	360	1-31 odd, 41-63 odd
	Test 3 covers 2.7 ,3.1,3.2		
WK 10	3.5	406	1-79 odd
WK 11	3.6	420	1-59 odd
WK 12	4.1	451	1-55 odd
	Test 4 covers 3.5 ,3.6,4.1		
WK 13	4.2	465	1-111 odd
	4.3	477	1-77 odd, 83-101 odd

WK 14	4.4	489	1-91 odd, 103-113 odd
WK 15	4.5 Test 5 covers 4.2,4.3,4.4,4.5	504	1, 3, 5, 11, 13, 21, 29, 35
WK 16	5.1 5.5 Final Exam	527 571	1-45 odd, 51, 55, 57, 77 1-61 odd