

MAC 1105: *College Algebra*

TR 5:30 – 6:45 in DC 358

Fall 2018

- Instructor: Daniel J Bueller
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Instructor Webpage: <http://www.spcollege.edu/instructors/id/2208>
Course Webpage: <http://mycourses.spcollege.edu>
- Technology: An ALEKS Access Code can be purchased from the bookstore or online at <http://www.aleks.com>
- Text: None! Your ALEKS Access Code gives you online access to the textbook for the course as well as instructional videos, math exercises, and solutions. The textbook is *College Algebra*, 1st edition, by Miller/O'Neil/Hyde, McGraw-Hill 2009.
- Prerequisite: MAT 1033 (with a grade of C or better), or appropriate score on the CPT.
- 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.
- Course Objectives:
1. The student will apply the fundamental concepts of algebra, and the characteristics and properties of relations and functions.
 2. The student will apply the properties of graphing functions and inequalities.
 3. The student will determine solution sets to a variety of equations and inequalities.
 4. The student will apply problem-solving strategies.
- Calculators: Calculator use is required for portions of this course. There are built in scientific and graphing calculators in ALEKS, but the student may also use a physical calculator. The recommended calculator for most courses is the TI-83 Plus or TI-84 Plus. Symbolic calculators, like the TI-89, as well as cell phone calculators, are prohibited during all tests.

ALEKS Topics (20%): The topics for College Algebra are divided into five chapters plus a prerequisite chapter. The student should complete all the topics in the chapter by the associated due dates. The grade will be calculated as the percentage of topics completed for each chapter. If chapter topics are not completed by the due date, then the topics that will be pertinent later on will show up as prerequisites in a future chapter. It is; therefore, important to complete the entire chapter's topics on time so that topics do not build up as the semester progresses.

ALEKS Tests (52%): There are four tests in ALEKS that will correlate with topics from the chapter reviews for Chapters 1-4. Tests will be given during class time the period correlating with the due date of each of those chapters. Students who complete the chapters that will be covered on the test at least a week before the due date may take the test early and move on into the next chapter. Students may finish this class early if desired!

Participation (10%): The student may obtain two participation points per class period. One point will be given for punctuality defined by arriving within the first five minutes of class and leaving within the last five minutes. The second point will be obtained by having a mathematical interaction with the instructor at some point during the class period.

Final Exam (13%): Tuesday December 4th. Students will take a comprehensive final exam at the end of the course. The exam will replace the student's lowest test score unless the final exam score is lower than the lowest test score. The final may be exempt if both the student's test average and overall grade going into the exam is at least an 80%.

Review/Practice Test (5%):A chapter review will be available prior to the closing of each chapter with the expectation of the review chapter. Each review will be due by class time the day of every test. There will also be a Final Exam review. Only the highest submission will count for each review.

Grading Scale: A: 90-100% B: 80-89% C: 70-79% D: 60-69% F: 0-59%

	Weights
ALEKS Pie	20%
ALEKS Tests	52%
Participation	10%
Final Exam	13%
Chapter Reviews	5%

Important Dates: August 17th – Last day to drop course and receive a refund
 October 18th – Withdrawal deadline to receive a grade of “W”
 October 30th – SPC Discovery Day; no class
 November 22nd – Thanksgiving; no class

Attendance Policy: The college-wide attendance policy is included in the Syllabus Addendum www.spcollege.edu/central/asa/addendum.htm. The policy notes that each instructor is to exercise professional judgment and define “active participation” in class (and therefore “attendance”), and publish that definition in each syllabus. For this class, attendance is defined as the student attending every class and arriving/leaving on time. The student may be subject to administrative withdrawal from the course with a grade of WF if they are deemed, by the Instructor, to be not participating. Not participating can take any of the following forms:

- Being absent for the majority of classes through the first three weeks.
- Amassing 4 or more unexcused absences by the withdraw deadline.
- Having an overall grade of less than 50% after the withdraw deadline.

Survey of Instruction: The student survey of instruction is administered in courses each semester. It is designed to improve the quality of instruction at St. Petersburg College. All student responses are confidential and anonymous and will be used solely for the purpose of performance improvement.

Additional Resources: Learning Support Commons – Free Tutoring:

- Location: DC 314
- Phone: (727) 302-6591
- Web site: <http://spcollege.libguides.com/downtown-tutoring>

Khan Academy – Mini video lectures:

- Web site: KhanAcademy.org

Smarthinking – Free online tutoring:

- Is accessed through MyCourses
- There is a video tutorial here: <http://www.spcollege.edu/tutoring/#tab=3>
- It’s free!

Title	Dean of Mathematics	Academic Chair of Mathematics
Name	Jimmy Chang	Nydia Nelson
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Contingency Plan: In case of a natural disaster or an otherwise unforeseen event that would disrupt the delivery of classes on campus for an extended period of time, we will continue the course as planned via teaching and assessment materials to be uploaded via MyCourses.

Other Policies and Miscellanea:

- It is the student's responsibility to be aware of anything announced in class or sent via MyCourses/ALEKS email whether or not they attended class or checked their email.
- Should there be a scheduling conflict on a test day, the student may take the test early or late only if the make-up test is arranged before the original test is given. To ensure a make-up test the student must at least contact the instructor in some way prior to the administration of the normally scheduled test. There will be no exceptions to this rule (car troubles, sickness, etc.). Should a test be missed the student will receive a zero.
- In class assignments may not be made up unless absence is documented.
- Chapter due dates in ALEKS cannot be extended or reopened.
- The instructor will use discretion in rounding up or down fridge final grades (59.9%, 69.9%, 79.9%, and 89.9%) based on the student's overall participation: attendance, contribution to the class atmosphere, visiting the instructor during office hours if needed, etc.
- Grades will be earned based on the grading scale and grading outline listed above. There will be no deviations from this. It is; therefore, inappropriate for students to ask for a grade at the end of the semester in which they do not have enough points for. Amount of time spent studying, needing to pass the class to graduate, needing a certain GPA for a scholarship, etc. will not be factored into actual point totals which determine grades.
- Semester points may not be obtained after the Final Exam is given.
- The instructor reserves the right to make any changes to the syllabus or course schedule if absolutely necessary and in the best mutual interest of the students and instructor.
- All college policies regarding student conduct, academic honesty, students with disabilities, withdrawals, etc. apply in this course. Please refer to the student handbook for more details.

What do I expect from you?	What can you expect from me?
Arrive to class on time with a good attitude, be prepared to learn, participate, and work!	Arrive to class on time with a good attitude and be prepared to assist/teach as needed.
Positively contribute to the classroom setting.	Create an environment conducive to learning.
Spend 2 hours in homework per 1 hour in class.	Grade and return assignments promptly.
Give yourself a chance to succeed.	Invest in your success.
Check MyCourses/ALEKS for emails regularly.	Reply to emails in a timely manner.
Respect all policies outlined in the syllabus	Remain within the parameters of the syllabus

Course Calendar

	Monday	Tuesday	Wednesday	Thursday	Friday
AUGUST	AUG 13	14 Syllabus, Pre-Assessment	15	16 Class	17 Last day to drop with refund
	20	21 Class	22	23 Class, Prerequisite chapter due	24
	27	28 Class	29	30 Class	31
SEPTEMBER	SEPT 3	4 Test 1 – Unit 1 due	5	6 Class	7
	10	11 Class	12	13 Class	14
	17	18 Class	19	20 Class	21
	24	25 Class	26	27 Test 2 – Unit 2 due	28
OCTOBER	OCT 1	2 Class	3	4 Class	5
	8	9 Class	10	11 Class	12
	15	16 Class	17	18 Test 3 – Unit 3 due Last day to withdraw with a "W"	19
	22	23 Class	24	25 Class	26
	29	30 SPC Discovery Day, No Class	31	NOV 1 Class	2
NOVEMBER	5	6 Class	7	8 Class	9
	12	13 Class	14	15 Test 4 – Unit 4 due	16
	19	20 Class	21	22 Thanksgiving, No Class	23
	26	27 Class, Chapter 5 due	28	29 Class	30
DEC	3	4 Final Exam (5:00 – 6:50)	5	6	7

Directions for Accessing ALEKS

- Go to www.ALEKS.com click on **Sign Up Now**
- Click on the box labeled using ALEKS with a Class?
- Enter the course code: GMWCP-WGCRT and click "**Continue.**"
- Enter your purchased code to complete the transaction **OR** the financial Aid code 753FA-080AB-F1C89-41980 and click "**Continue.**"
- The temporary code expires in 2 weeks. Purchase a code before your temporary code expires and extend your account.
- Enter your personal information. Write down your userid.

USERID: _____

Begin using ALEKS. Go through the tutorial and begin the initial assessment.

Work carefully.

Click "Continue" when you are through with the assessment and move into learning mode. If you need any clarification, then raise your hand and I will check on you.

You must log on and work in ALEKS again before the next class period. Try accessing the program from the Learning Support Center, the library, or home. You may need to download an ALEKS player (like Java).

Office Hours:

Days	Time	Campus	Room
Mon & Wed	9:00 – 9:30	Midtown	JC 313
	11:00 – 1:00	Midtown	JC 313
Tue & Thur	12:30 – 1:30	SP/Gibbs	SA 220
	3:30 – 5:30	Downtown	DC 467

Note: Times and location of office hours are subject to change due to meetings.