**MAC 1105 College Algebra – Fall 2018**

**College Algebra Essentials 5th Edition – Blitzer**

**INSTRUCTOR:**

Name: Gail Carter

Contact Information: 727-791-5969

Email: [carter.gail@spcollege.edu](mailto:carter.gail@spcollege.edu)

Office Location: NM 110

Office Hours: See Instructor Web Page, <https://web.spcollege.edu/instructors/id/carter.gail>

Meeting Times: Monday/Wednesday, 9:30 am – 10:45 am

Classroom: NM 156

**ACADEMIC DEPARTMENT:**

Dean: Jimmy Chang

Office Location: SA 215 B, St. Petersburg/Gibbs Campus

Office Number: 727- 341-4305

Academic Chair: Dr. Joy Moore

Office Location: NM 120, Clearwater Campus

Contact Information: 727-791-2542

**COURSE INFORMATION:**

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: The student will demonstrate; (1) knowledge of fundamental concepts of algebra when determining characteristics and properties of relations and functions and performing processes, (2) the ability to solve and graph a variety of equations and inequalities, relations and functions, and (3) understanding of the concepts of this course particularly those which will be pertinent in calculus.

Prerequisites: MAT 1033 or satisfactory score on placement test.

**REQUIRED TEXTBOOK & OTHER RESOURCE INFORMATION:**

Required Text: Blitzer, College Algebra Essentials 5E bound + MML

ISBN Number: 9780134469294

Looseleaf with MML ISBN Number: 9780134470238

**My Math Lab:** This class is enhanced by the multi-media learning environment. Course features include homework exercises designed to help you measure how well you have mastered the objectives and to prepare you for exams, videos, animations, interactive examples and Power Point slides. You make repeat any of the assignments for practice. These assignments count as 10% of your semester grade. **You may access your course at** [**http://pearsonmylab.com**](http://pearsonmylab.com)

**Your course name: MAC 1105 College Algebra Fall 2018 Course ID: carter26353**

**If you are planning to purchase a standalone MML access code from the bookstore, request the Blitzer College Algebra Essentials 5e Mymathlab code NOT the generic MML.**

**The ISBN for the standalone Blitzer 5e Mymathlab code is: 9780134757889**

**IMPORTANT DATES:**

**Course Dates:** August 13 – December 7, 2018

**Withdrawal Date**: Thursday, October 18, 2018

**Financial Aid:** http://www.spcollege.edu/central/SSFA/HomePage/calendar.htm

**DISCIPLINE SPECIFIC INFORMATION:**

Calculator Policy: There may be some restrictions on the type of calculator used in class so that students with high-powered calculators are not at an unfair advantage over other students. Some pre-programmed calculators will not be permitted on tests because students are required to be able to perform these tasks by hand. **Cell phone calculators are NOT permitted during tests.**

Conduct/ Integrity: Cheating in any form will NOT be tolerated at St. Petersburg College. The College has an official policy on academic honesty. Please refer to SPC’s Academic Honesty Policy for further details.

<http://www.spcollege.edu/webcentral/admit/honesty.htm>

Homework: Assignments done correctly and on time are the key to your success in this course. Homework will be collected on each of the 5 tests days.

**ATTENDANCE AND ACTIVE PARTICIPATION:**

**The college-wide attendance policy is included in the Syllabus Addendum** <http://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, active participation/attendance is defined below:

**More than two absences will be considered excessive. Please contact the instructor if you have a problem attending class. If more than 4 classes are missed you will be withdrawn with a grade of WF.**

If you do not attend class at all during the first week or at all during the second week of the session, the college will be informed that you are a “No-Show” and you will be automatically withdrawn. **Students considering a voluntary “W” are expected to withdraw themselves no later than Thursday,**

**October 18, 2018, and must do so online in My SPC found at** [**www.spcollege.edu**](http://www.spcollege.edu)**.**

**GRADING:**

5 Chapter Tests and a mandatory Comprehensive Final Exam - 100 points each (80%)

Homework and Class Participation (10% - includes attendance and tardiness)

My Math Lab computer assignments (10%)

FINAL AVERAGEFINAL GRADE

90-100% A

80-89% B

70-79% C

60-69% D\*

0-59% F\*

\*You will need a grade of C or better for this course to fulfill one of your math requirements.

**I do not drop any test scores, so you must do your best on each test. No make-up tests will be given.** **Extremely extenuating circumstances may be discussed with the instructor along with a documented note. If a single test is missed, the final exam grade may be used to replace that grade. If more than one test is missed, those tests will result in a grade of zero. With satisfactory attendance, a student may replace their lowest test grade with the final exam grade if it is helpful.**

**MAC 1105 College Algebra – Blitzer**

**Monday/Wednesday**

**Tentative Schedule – Fall 2018**

|  |  |  |  |
| --- | --- | --- | --- |
| **WEEK** | **DATES** | **SECTIONS** | **TESTS** |
| 1 | August 13, 15 | Intro. 1.1  1.2, 1.3 |  |
| 2 | August 20, 22 | 1.4, 1.5  Review |  |
| 3 | August 27, 29 | **Test**  1.6 | **Chapter 1.1 – 1.5** |
| 4 | September 3, 5 | **Holiday**  1.7 |  |
| 5 | September 10, 12 | Review, 2.1  **Test** | **Chapter 1.6, 1.7** |
| 6 | September 17, 19 | 2.2, 2.3  2.4, 2.5 |  |
| 7 | September 24, 26 | 2.6, 2.7  Review |  |
| 8 | October 1, 3 | **Test**  3.1 | **Chapter 2.1 – 2.8** |
| 9 | October 8, 10 | 3.2, 3.3, 3.4 Optional  3.5 |  |
| 10 | October 15, 17 | 3.6  Review |  |
| 11 | October 22, 24 | **Test**  4.1 | **Chapter 3.1, 3.5, 3.6** |
| 12 | October 29, 31 | 4.2, 4.3  4.4 |  |
| 13 | November 5, 7 | 4.5  5.1 |  |
| 14 | November 12, 14 | **Holiday**  5.2 |  |
| 15 | November 19, 21 | 5.5  Holiday |  |
| 16 | November 26, 28 | Review  **Test** | **Chapters 4.1 – 4.5,**  **5.1, 5.2, 5.5** |
| 17 | Final Exam Week  December 3 – 6 | **Final Exam** | **Comprehensive Final Exam** |

**Holidays:** Monday, September 3, Labor Day

Tuesday, October 30, Faculty Workday

Monday, November 12, Veteran’s Day

November 21 – 25, Thanksgiving Holidays

**MAC 1105 College Algebra Homework Assignments**

**Fall 2018**

***Odd numbered problems unless stated otherwise***

**Sections**

1.1 1-27, 29-32 all, 41-53 all

1.2 1-49, 57-79, 89-95

1.3 1-9, 15-55

1.4 1-53

1.5 1-107 eoo, 109-114 all, 125, 131, 133, 139, 141, 142, 145-149

1.6 1-23, 31, 33, 37, 41-77 eoo, 87, 89, 91, 95-101, 105, 120, 121

1.7 1-93 eoo, 103, 109, 120, 123, 129, 130, 134

2.1 1-49, 51-62 all, 65-87, 105, 106, 115

2.2 1-91, 95, 96

2.3 1-71 eoo, 73-85

2.4 1-29, 34

2.5 17, 19, 53-113 eoo

2.6 1-29, 31-81 eoo, 95, 99

2.7 1-55, 67

2.8 1-63 eoo, 65

3.1 1-8 all, 9-47, 63, 65

3.2 1-31, 41-47, 51, 55, 57, 65, 67, 69

3.3 1-5 all, 11, 17, 19, 21, 29

3.4 1, 3, 5, 9, 17

3.5 1-87 eoo

3.6 1-63 eoo, 75, 76

4.1 1-17, 19-24 all, 25-55, 67, 74, 77

4.2 1-20 all, 21-43, 47-52 all, 53-65, 75, 77, 79, 107, 117, 119, 120, 122

4.3 1-33, 41-65. 71-77, 89-105

4.4 1-89 eoo, 91, 93, 103, 105, 107, 109, 111

4.5 1-6 all, 15, 17, 19, 20, 37, 43, 44, 45

5.1 1-41 eoo, 43-46 all, 61, 65, 73, 75, 79, 81

5.2 1-17, 23, 35, 37, 39

5.5 1-21, 27-45, 77, 78, 79

**Disability Resources:**

St. Petersburg College is committed to providing academic accommodations for students with disabilities. Students with disabilities requesting accommodations should first register with the Accessibility Office (www.spcollege.edu/dr/) and provide appropriate documentation. Once registered, the student should make arrangements to meet with me to discuss accommodations. SPC encourages students with disabilities to follow these procedures as early as possible within the semester.

**STUDENT 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.

**SIGNATURE PAGE: MAC 1105 COLLEGE ALGEBRA – Fall 2018**

**I have read, understand, and agree to abide fully by the parameters set in this syllabus and Syllabus Addendum.**

**Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_**