Math 140 (15843): College Algebra

Division Information

Santiago Canyon College
Math and Science Division located in SC-210

Course Information

Professor: Dr. Laney Wright **Start Date:** Monday, August 22, 2022

Course: Math 140 (15840): College Algebra **End Date:** Thursday, December 8, 2022

Zoom Meetings: Thursdays from 8:30 – 10:00 am. Zoom link provided in Canvas Modules.

Canvas Course Login: Canvas Dashboard (Look for our course: Math 140)

Course Materials:

1) Textbook: *College Algebra in Context with Applications for the Managerial, Life, and Social Sciences* by Harshbarger and Yocco, 6th edition ISBN: 9780135757802 (eText) or 9780135757611 – hardback. You will need access to MyLabMath to do the online assignments.

2) Graphing Calculator: A scientific or graphing calculator is allowed. If you are continuing to Math 150: Business Calculus, a TI-83 or 84 is recommended. All other calculators must be approved.

3) Computer: Your computer must have reliable internet access.
*All instructional documents throughout the course will be provided in the PDF format, so please update your Adobe Reader to the current version. **Download this free software (Links to an external site.)** from Adobe's website.*

Professor Contact Information

Best Form of Contact: **Canvas Inbox.** When you are in Canvas, there will be an Inbox option in the Navigation list on the left. Please use the Canvas Inbox whenever possible.
Email: wright_laney@sccollege.edu (Only for Emergencies – Canvas Inbox is best)
Phone: 714-628-4949
Office Hours: Monday and Wednesdays via zoom: 11:30 am – 12:30 pm
Zoom links are provided in our Canvas course.

Course Catalog and Prerequisites

Catalog Entry:
Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials and logarithms with applications and graphing; sequences and series.

Prerequisite:
Successful completion of Math 080 or a qualifying profile from the mathematics placement process.

Student Support Resources

Please see Orientation Module in Canvas for a more thorough list.

Math Success Center (MSC) – Formerly the Math Study Hall (MaSH)

The Math Success Center (a.k.a. MSC) is a FREE service provided by SCC that provides students with supplemental learning to the classroom. A math faculty member, Instructional Assistants and student tutors are always on duty to assist students with questions or concerns from their math class. Additionally, computers are available for students to access mathematical software or complete internet-based assignments for any math class. The MSC is located in room D-209. The hours of operation for this semester are August 22 - December 8:

Monday - Thursday: 9:30 a.m.--7:30 p.m.
Saturday: 9:00 a.m.--3:00 p.m.
Closed Sundays and for School Observed Holidays

To utilize the MSC, you must enroll in MATHCE 100. You can do this at your first visit to the MSC.

This is a Pass/Satisfactory Progress, Open Entry/Open Exit noncredit lab course. You will need to complete at least 10 hours and one activity in the MSC within the 16-week semester to earn a grade of Pass (P) To earn a Satisfactory Progress (SP) students must complete at least one hour in the MSC. Attendance is tracked through the sign-in computer so when entering the MSC, scan your student ID card or type in your student ID number at the sign-in computer. When leaving, sign out the same way you signed in; signing out is critical in order to avoid losing any completed hours. If you have any questions or concerns, please email the MSC at mathsuccesscenter@sccollege.edu.

Learning Outcomes

Students Learning Outcomes

- Use algebraic, numerical, and graphical processes to manipulate and analyze equations, inequalities, and functional relationships.
- Formulate and analyze mathematical models for a variety of real-world phenomenon and use mathematical and technological tools to determine the veracity of the model.

Department Student Learning Outcomes

- Create mathematical models of real-world phenomena, apply those models to make predictions about the behavior of the phenomena, apply appropriate problem-solving techniques, and critically evaluate the veracity of the obtained results.
- Clearly communicate mathematical reasoning and problem-solving skills using a variety of formats, diverse technologies, and appropriate mathematical vocabulary and notation.
- Integrate into educational and professional conduct a calm, confident, and ethical approach to mathematical reasoning and problem solving while taking personal responsibility for mathematical successes.

Attendance Policy and Important Dates

- September 4, 2022: Last day to drop with full refund
- September 5, 2022: Last day to drop without a "W" grade (withdrawal)
- November 13, 2022: Last day to drop with a "W" grade (withdrawal)

As in a traditional face-to-face course, you will be dropped from an online class for non-attendance. **Attendance in an online class is determined by coursework and weekly participation.** Simply logging into an online class without active participation does not count as attendance. You must immediately and continually show academic engagement with the course assignments and discussion boards including engaging communication with course instructor and with other students in the course.

*For particular information about how "NOT TO BE DROPPED" please see under Syllabus in Canvas.

Academic Honesty Policy

Cheating in our online class is considered any of the following **during a class exam or quiz.**

- Seeking help from another individual or providing help to another student.
- The use of unapproved calculators or electrical devices.
- Accessing other websites on your computer, phone, ipad, laptop, tablet or any other internet-accessing device.
- Using a browser to search for answers. This includes accessing Chegg, Mathway, YouYube, Wolfphram Alpha or even non-mathematical websites.
- Providing work on a class exam or quiz that is not your own.
- Using notes, book, or cheat sheet during a class exam or quiz, unless allowed by the instructor.

A violation of this policy will result in the student receiving a zero on that assignment and the filing of an Academic Honest Incident Report with the Dean of Students.

Regular and Effective Contact Policy

Please see Orientation Module in Canvas.

Title IX

Santiago Canyon College (SCC) faculty are committed to supporting our students and upholding gender equity laws as outlined by Title IX. Therefore, if a student chooses to confide in a member of SCCs faculty regarding an issue of sexual misconduct, that faculty member is obligated to tell SCCs Title IX Coordinator. If a student does not wish to formally report an incident to a faculty member but wishes to speak to someone confidentially about an unwelcome sexual encounter, the student can speak to the College Psychologist who is not legally bound to report the conversation. The College Psychologist is in the Student Health & Wellness Center in T-102 or call (714) 628-4773.

Class Behavior

Based upon the RSCCD Standards of Student Conduct (also known as the Code of Conduct) all students will be in violation of the code should you become disruptive in any way, such that you disrupt the teaching of this class or do not follow our class communication policy. Students who violate the Standards of Conduct are subject to disciplinary action which includes Warnings, Probation and Suspension from all classes and activities within the district.

Homework

Homework is assigned from every section covered. Your homework will be accessed through Canvas. **Write your homework on paper and keep it handy.** Not only will you need it to study, but we will be posting and answering questions on a discussion board. Homework is due by 11:59 pm on the last day of that week (Sundays) as scheduled on the last page. *Homework can be made up as long as it is BEFORE the exam that covers that chapter.

Quizzes

Quizzes will be taken on Canvas. They will be assigned after every chapter. They will be available throughout the week assigned, but once you start the quiz, you must finish it. There will be a time limit for each quiz. Every quiz must be completed by 11:59 pm on Sunday night of the week assigned.

Exams

There will be 3 exams and 1 final given on the dates indicated on the next page. The exams will be taken on Canvas. They will be available throughout the week assigned, but once you start the exam, you must finish it. There will be a time limit for each exam. Every exam must be completed by 11:59 pm on Sunday night of the week assigned. Everyone is required to take a **comprehensive final exam** during the last day of class, Thursday, December 8th.

Grades

Weighted Grade Percentages	
Homework	10%
Discussion Boards	5%
Quizzes	15%
Chapter Exams	50%
Final Exam	20%

Letter Grade Percentages	
A:	90 – 100%
B:	80 – 89%
C:	70 – 79%
D:	60 – 69%
F:	Below 60%

Lesson Schedule

HW: Homework **DB:** Discussion Board

Week	Date	LESSON Covered that Week	DUE by Sunday of that Week unless otherwise noted
1 M 8/22 – Su 8/28	Online	1.1 Functions and Models	HW and DB for Week 1 **Wed:** DB Ice Breaker Post
	Th Zoom	1.2 Graphs of Functions	
2 M 8/29 – Su 9/4	Online	1.3 Linear Functions	HW and DB for Week 2 Quiz over Chapter 1 **Wed:**DB Ice Breaker Replies
	Th Zoom	1.4 Equations of Lines	
3 M 9/5 – Su 9/11	Online	2.1 Algebraic/Graphical Solutions: Linear Eqns	HW and DB for Week 3
	Th Zoom	2.2 Fitting Lines to Data Points	
4 M 9/12 – Sun 9/18	Online	2.3 Linear Systems with Two Variables	HW and DB for Week 4 Quiz over Chapter 2
	Th Zoom	2.4 Solving Linear Inequalities	
5 M 9/19 – Su 9/25	Online	3.1 Quadratic Functions: Parabolas (Review)	**Exam 1 in class Thu** HW and DB for Week 5
	Th Zoom	**Exam 1: Chapters 1 - 2**	
6 M 9/26 – Su 10/2	Online	3.2 Solving Quadratic Equations	HW and DB for Week 6 Quiz over Chapter 3
	Th Zoom	3.4 Piecewise/Absolute Value Functions	
7 M 10/3 – Su 10/9	Online	4.1 Transformations of Graphs and Symmetry	HW and DB for Week 7
	Th Zoom	4.2 Combining Functions/Composite Functions	
8 M10/10– Su 10/16	Online	4.3 One-to-One and Inverse Functions	HW and DB for Week 8 Quiz over Chapter 4
	Th Zoom	4.4 Additional Equations & Inequalities	

HALF – WAY POINT!!

9 M10/17– Su 10/23	Online	5.1 Exponential Functions	**Exam 2 in class Thu** HW and DB for Week 9
	Th Zoom	**Exam 2: Chapters 3 – 4**	
10 M10/24– Su 10/30	Online	5.2 Logarithmic Functions (Review) 5.3 Exponential/Log Equations	HW and DB for Week 10
	Th Zoom	5.4 Exponential and Logarithmic Models	
11 M10/31– Su 11/6	Online	5.5 Exponential Functions/Investing	HW and DB for Week 11 Quiz over Chapter 5
	Th Zoom	6.1 Higher Degree Polynomials	
12 M 11/7 – Su 11/13	Online	6.3 Solution of Polynomial Equations	HW and DB for Week 12
	Th Zoom	6.4 Fundamental Theorem of Algebra	
13 M11/14– Su 11/20	Online	6.5 Rational Functions and Equations	HW and DB for Week 13 Quiz over Chapter 6
	Th Zoom	7.1 Linear Systems in 3 Vars (Review) 7.6 Nonlinear Systems	
14 M11/21– Su 11/27	Online	**Exam 3: Chapters 5 – 6**	**Exam 3 (on your own)** HW and DB for Week 14
	Th Zoom	THANKSGIVING	
15 M11/28– Su 12/4	Online	8.3 Sequences and Discrete Functions	HW and DB for Week 15 Quiz over Chapter 7 Quiz over Chapter 8
	Th Zoom	8.4 Series (Review)	
16 M 12/5 – Th 12/8	Online	Study for Final Exam	***Final Exam** **Part 1 in class** **Part 2 on your own** **Due Thursday, Dec. 8th**
	Th Zoom	**Final Exam on Thursday, Dec. 8th** **Part 1 and Part 2**	