

**MATH150 – CALCULUS for Biological, Management and Social Sciences**  
**Spring 2021**  
**CRN# 92316 M/W 7:30 am-10:00 am**

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Format: REMOTE LIVE

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**Course Description:** Single and multi-variable calculus including limits, derivatives, integrals, exponentials and logarithmic functions and partial derivatives. Applications are drawn from Biology, Social Science and Business

**Prerequisites:** Mathematics 140 or qualifying profile from the Mathematics placement process

**Student Learning Outcomes:** Students who successfully complete Math 150 should be able to perform the following.

- 1) Identify different types of equations and solve them by applying the appropriate algebraic methods.
- 2) Solve applications involving different types of functions and/or equations by applying the appropriate solving techniques.
- 3) Graph equations, functions, and conics by applying different graphing techniques and transformations.

**Department Student Learning Outcomes:** Students who successfully complete any mathematics course at SCC should be able to perform the following.

- 1) 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.
- 2) Clearly communicate mathematical reasoning and problem solving skills using a variety of formats, diverse technologies, and appropriate mathematical vocabulary and notation.
- 3) 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.

**Materials:**

- ❖ **Textbook:** *Applied Calculus* by Hughes-Hallet, Gleason, Lock, Flath, et al. 6th Edition [SCC Bookstore](#)
- ❖ **Graphing Calculator:** TI- 83 or TI -84)
- ❖ Notebook or Binder paper, graph paper (needed for some chapters covered), pencil preferred (Pencil is the only thing allowed for quizzes and exams; otherwise it will not be graded.)

**Attendance:** All students are required to attend all classes, be on time, and leave only when class is dismissed. Attendance will be taken daily. Plan ample time for logging into Zoom, and schedule work, doctor appointments, and all other conflicts around your commitments to this class. **You must attend the first two weeks of class or you will be automatically dropped. If an emergency occurs during the first two weeks, you must notify me within 24**

hours of absence. If absent more than 3 class meetings, the instructor reserves the right to drop you from the course.

Specific grading guidelines for this course include the following:

**GRADE BREAKDOWN**

ZOOM Participation	10%
Quizzes	25%
Exams	40%
Final	25%

**GRADING SCALE:**

A	90-100
B	80-89
C	70-79
D	60-69

**Exams:** Three chapter exams and one comprehensive final exam will be given during the course. These will be primarily made up of problems requiring written work based on material covered in class and on the homework. No make-ups will be given on these exams, however if you have a valid reason why you cannot take the exam as scheduled, email me and we will arrange or you to take it at another time. Prior notification is expected except in cases of emergency. Again documentation of reason may be required.

- ❖ *It is mandatory to take the comprehensive final; otherwise, a course grade of "F" will be the end result. Be on time for the final exam. If a student has already turned in his/her final exam and you arrive late, you may not be allowed to take the final exam.*
- ❖ **THERE ARE NO MAKE-UP EXAMS.**

**Quizzes:** There will be about 10-12 quizzes throughout the course. **No make-up quizzes** will be given.

**Homework:** Homework will not be collected or graded but is given to you as PRACTICE. I highly recommend that you attempt all of the HW assignments from the textbook to get a feel of what I will be testing you on. This will also be an opportunity to earn extra credit. I require your HW to be scanned using either a scanner or phone app in the form of a PDF. All of the problems sets must be attempted to earn extra credit.

### Math Success Center

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. **Due to COVID-19, The MSC is will be offered remotely via Canvas over Fall.** The hours of operation for Spring 2021 are

Monday through Thursday: 9:30 a.m. -7:30 p.m.  
Saturday 9 a.m. - 3 p.m.

To utilize the MSC, you must enroll in MATHCE 100. Once enrolled, you can access two types of assistance, discussion boards and live help.

- Discussion Boards: Once in the MATHCE 100 Canvas page, students can post questions to a discussion board at any time. Please follow the directions for posting and a staff member will reply within 24 business hours.

- Live Help: Offered only during the hours of operation. Once in the MATHCE 100 Canvas page, click the “Get Help Now” button on the homepage. Scroll through the MSC staff members. Any staff members on duty will display a green “online” icon. On that staff member’s card, click “Ask for help” and you will be able to start a conversation with that staff member. During live help, staff members have chat options and can also utilize an interactive whiteboard to assist you.

The MSC is a Pass/No Pass, Open Entry/Open Exit noncredit 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). ***When you log into Canvas and are in the MSC course (MATHCE 100), your hours are automatically being logged.*** At the end of the semester we will use the Canvas log to assign grades. A Pass (P) will be assigned to any student who completes at least 10 hours on Canvas, plus completes one assignment in Canvas. A Satisfactory Progress (SP) will be assigned to any student who completes any number of hours in the MSC (via Canvas). If you do not complete any hours in the MSC (via Canvas) you will be dropped from the course at the end of the semester and it will not show on your transcript. If you have any questions or concerns, please email the MSC at [mathsuccesscenter@sccollege.edu](mailto:mathsuccesscenter@sccollege.edu).

**Important Notes:**

- ❖ ***INSTRUCTOR HAS THE RIGHT TO ALTER THE SYLLABUS AT ANYTIME DURING THE SEMESTER.***
- ❖ There are **no make-ups** given on any of the grade category mentioned above.
- ❖ **Last day to drop without a W is Feb 21st, 2021. Last day to withdraw is May 9th, 2020.**
- ❖ Disruptive behavior during class time such as cell phone, ipod, disruptive talking, and so on, will lead to removal from the zoom class and will count as an absence for the day (2 hours).
- ❖ Exceptions will be considered in the events of emergency such as unexpected illness, loss of a family member, etc. Documents will be required to validate your absences.

**Title IX Policy:** 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 located in the Student Health & Wellness Center in T-102 or call [\(714\)628-4773](tel:7146284773).

[RSCCD Student Training Video](#)

[SCC College Catalog \(College Policies and Procedures\)](#)

**Academic Accommodation for Disabilities:** Students with disabilities who want to request academic accommodations are responsible for informing their instructors and Disabled Students Programs and Services (DSPS) as early in the semester as possible, or at least two weeks before the accommodation is needed. To have accommodations authorized, students must provide DSPS with verification of disability and meet with a DSPS professional for an evaluation of needs. Students may schedule a DSPS appointment by coming to the DSPS Office in E-105, by phoning us at [\(714\)628-4860](tel:7146284860) or by emailing us at [DSPS@sccollege.edu](mailto:DSPS@sccollege.edu).

[Disabled Students & Programs Services](#)

**Academic Honesty Policy:** There is absolutely **no** tolerance for cheating in this class. Any student

caught cheating or assisting another student in the act of cheating, will receive an F grade for the assignment and possibly the class. The SCC College Catalog reads as follows.

"Academic dishonesty is seen as an intentional act of fraud, in which a student seeks to claim credit for the work or efforts of another without authorization or uses unauthorized materials or fabricated information in any academic exercise. We, as an institution, also consider academic dishonesty to include forgery of academic documents, intentionally impeding or damaging the academic work of others, assisting other students in acts of dishonesty or coercing students into acts of dishonesty."

[SCC College Catalog \(College Policies and Procedures\)](#)

**Student Conduct:** All students are responsible for maintaining appropriate conduct while enrolled in classes through the Rancho Santiago Community College District (RSCCD). Guidelines for student conduct are set forth in the RSCCD Standards of Student Conduct policy. Detailed information regarding student discipline and rights within this policy is available in the college catalog and student handbook. Students who violate the Standards of Conduct are subject to disciplinary action which includes, but is not limited to, warnings, removal from class, probation, suspension and expulsion from all classes and activities within the district. 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. This includes excessive talking with your peers, cell phone usage (texting too), and music devices (earphones too). Penalties that may be invoked include Warnings, Probation and Suspension from all classes and activities within the district.

[RSCCD Standards of Student Conduct](#)

[SCC Student Discipline and Code of Conduct](#)

[SCC College Catalog \(College Policies and Procedures\)](#)

**WAIT TIME FOR LATE INSTRUCTORS:** If, due to unforeseen emergencies, the instructor does not arrive at the scheduled start time for class, students are to wait for fifteen minutes (unless otherwise notified by the division). If they do not receive notification to wait for their instructor to arrive, after 15 minutes the students may leave with no penalty for absence or assigned work due for that class meeting.

**Math Success Tips:**

- Be prepared and attend every class session.
- Do all homework problems assigned. Use the MSC for help such as tutoring with homework.
- Obtain phone numbers or email addresses of your fellow classmates in case of absence to keep up with materials missed.
- Become part of a small group (3-4) that meets to do homework and study together for exams in the math lab. Try not to fall behind, keep up with the materials or stay ahead when possible.

Week	Day	Date	Section(s)	Tests/Notes
1	Mon	2/8	Syllabus, 1.1,1.2	Introduction
	Wed	2/10	1.3, 1.4, 1.5	Q1
2	Mon	2/15	NO CLASS	HOLIDAY
	Wed	2/17	1.6, 1.7	Q2
3	Mon	2/22	1.8, 1.9	
	Wed	2/24	2.1, 2.2, 2.3	Q3
4	Mon	3/1	2.4, 2.5	
	Wed	3/3	3.1, 3.2, 3.3	Q4
5	Mon	3/8	3.4, Review	
	Wed	3/10	EXAM 1	Chapter 3-4
6	Mon	3/15	4.1, 4.2	
	Wed	3/17	4.2, 4.3	Q5
7	Mon	3/22	4.3, 4.4	
	Wed	3/24	4.4, 4.5	Q6
8	Mon	3/29	4.6, 4.7	
	Wed	3/31	NO CLASS	HOLIDAY
9	Mon	4/12	EXAM 2, 5.1	
	Wed	4/14	5.2, 5.3, 5.4	Chapter 5-6
10	Mon	4/19	5.5, 5.6	
	Wed	4/21	6.1, 6.2, 6.6	Q7
11	Mon	4/26	6.3, 6.4	
	Wed	4/28	6.4 cont, 6.5	Q8
12	Mon	5/3	6.7 part 1	
	Wed	5/5	6.7 part 2	Q9
13	Mon	5/10	Review	
	Wed	5/12	EXAM 3	Chapter 7-8
14	Mon	5/17	8.1, 8.2	
	Wed	5/19	8.3, 8.4	Q10
15	Mon	5/24	8.5, 8.6	
	Wed	5/26	REVIEW	Q11
16	Mon	5/31	NO CLASS	HOLIDAY
	Wed	6/2	FINAL	Cumulative Final Exam in the classroom at 7:30AM

\*\*\*Spring Break April 5<sup>th</sup>-April 10<sup>th</sup>

\*\*\*Schedule subject to change

