Instructor: Jonathan Nay
Office: E37
Office Hours: MTWThF 9:30-10:00AM & 1:30-2:00PM
Contact: nayjonathan@fhda.edu; 301.651.9257

MATH 1C: Calculus III • Section 03 • Winter 2019
Room G4 • MTWThF 8:30-9:20AM

COURSE DESCRIPTION

Infinite series, lines and surfaces in three dimensions, vectors in two and three dimensions, parametric equations of curves. Derivatives and integrals of vector functions. (5 units)

PREREQUISITE

MATH 1B or MATH 1BH (with a grade of C or better) or equivalent. Advisory: EWRT 211 & READ 211 (or LART 211), or ESL 272 & 273.

TEXTBOOK

Calculus Early Transcendentals by James Stewart, 8th edition

MATERIALS

Graphing calculator (TI-83, TI-83 Plus, TI-84, or TI-84 Plus recommended), pencils, erasers, colored pens, paper, and ruler/straight-edge.

IMPORTANT DATES

January 15th (Tuesday)	Homework #1 due
January 19th (Saturday)	Last day to add class
January 21th (Monday)	Last day to drop with no record of grade
January 21st (Monday)	NO CLASS – Martin Luther King Jr Day
January 22nd (Tuesday)	Homework #2 due
January 25th (Friday)	**Midterm Exam #1**
February 5th (Tuesday)	Homework #3 due
February 12th (Tuesday)	Homework #4 due
February 14th (Thursday)	**Midterm Exam #2**
February 15th (Friday)	NO CLASS – Presidents Day
February 18th (Monday)	NO CLASS – Presidents Day
February 26th (Tuesday)	Homework #5 due
March 1st (Friday)	Last day to drop with a "W"
March 5th (Tuesday)	Homework #6 due
March 8th (Friday)	**Midterm Exam #3**
March 22nd (Friday)	Last day of classroom instruction
March 27th (Wednesday)	**FINAL EXAM 7:00AM-9:00AM**

HOMEWORK

Six (6) homework assignments will be given during the quarter. The homework will be graded and returned prior to the subsequent exam so that the homework assignments can be used as a study aid for the exam. Collaboration on the homework is encouraged, but each student must write his/her own solutions and not copy them from anyone else. If you have questions about the homework, you may email me or see me during my office hours.

QUIZZES

Ten (10) in-class quizzes will be given during the quarter (roughly one quiz per week). The quiz will include topics that were covered during that particular week and/or the previous week. Quizzes will be graded and returned by the next class session.

EXAMS

There will be three (3) midterm exams and one final exam during the quarter. The midterm exams will be specific to the topic(s) being covered for that portion of the quarter. The final exam will be comprehensive. All exams will be closed book with no calculators allowed. The use of note cards will be at my discretion for each exam.

GRADING

Breakdown of Grade	
Homework (6)	25%
Quizzes (10)	10%
Midterm Exam #1	15%
Midterm Exam #2	15%
Midterm Exam #3	15%
Final Exam	20%

Grading Scale	
100-99.0%	A+
93.0-98.9%	A
90.0-92.9%	A-
88.0-89.9%	B+
83.0-87.9%	B
80.0-82.9%	B-
78.0-79.9%	C+
70.0-77.9%	C
68.0-69.9%	D+
60.0-67.9%	D
0-59.9%	F

Final grades are non-negotiable. You should monitor your scores regularly throughout the quarter. If there are any discrepancies, they should be brought to my attention as soon as possible. Grades on exams, homework, and/or quizzes will be changed only if there is a clear error on my part, such as adding up marks incorrectly.

An incomplete grade (I) is rarely assigned. It will only be assigned in extreme situations (i.e. unforeseeable emergency and justifiable reason at the end of the term that prevent you from completing the course). You must be in good standing with near-perfect attendance and an overall grade of a 70% (C) or greater in order to request for an incomplete grade.

MAKE-UP POLICY

Make-up of homework or mid-term exams will only be allowed for highly unusual circumstances. Unless specific, in-advance approval is provided by me otherwise, homework will not be accepted beyond the beginning of class on the day that homework assignment is due, and the midterm exams can only be taken on the scheduled exam date.

If there is an in-class quiz on a day you will be absent and you inform me in advance of your absence, then you will be given an opportunity to earn an equivalent amount of credit as the missed quiz.

The final exam date and time have been determined and mandated by the college. No early/late final exam may be scheduled. If you know that you are unable to take the final at the date and time above, you must drop the class now.

COMMUNICATION

I will be using email to communicate with you outside of classroom time so you should check your email on a regular basis. I expect that if you will miss a class lecture, then you will email me letting me know that you will be absent along with a reason for your absence. If you need to contact me for routine matters, please use my email. If you need to contact me for more urgent matters, please call or text my phone.

ATTENDANCE

Students are expected to attend all sessions of each class. It is essential that you participate and regularly ask questions in order to succeed in this course and your future math courses.

Instructors reserve the right to drop students from class if they fail to attend the first class meeting, or when accumulated unexcused hours of absence exceed ten percent of the total number of hours the class meets during the quarter. Do not rely on your instructor to drop you from your course. If you decide to stop attending class, it is your responsibility to drop. Failure to do so will result in a grade of F.

CLASSROOM ETTIQUETTE

The following classroom etiquette guidelines are to be followed at all times:

- *Respect*. To promote a safe and positive learning environment, you are to be respectful to me, your classmates, and all other college community members.
- *Presence*. You are expected to come to each class on-time and prepared. During the class lecture, you are expected to give your full attention and actively participate.
- *Communication*. Please do not talk during lecture or when other students are addressing the class. If you have a question, then raise your hand.
- *Digital Media*. Keep your cell phones on silent and out of sight. With the exception of graphing calculators, the use of electronic devices during the lecture is generally not allowed. Unapproved use of an electronic device could result in you being asked to leave the classroom.

TUTORING

Tutoring is available for all students at the Math, Science & Technology Resource Center (MSTRC) in Building S-43. Tutoring is provided at no charge by qualified, trained tutors. Tutors can give students feedback on their course work, help them understand assignments and provide students strategies for improving their learning skills. For more information, visit http://www.deanza.edu/studentsuccess/mstrc/

ACADEMIC DISHONESTY

By enrolling in this class you agree to uphold the standards of academic integrity as outlined in the current De Anza college catalogue. Dishonesty includes but is not limited to signing in someone other than yourself on the attendance sheet, in-class cheating, out-of-class cheating, plagiarism, knowingly assisting another student in cheating or plagiarism, or knowingly furnishing false information to college staff, faculty, administrators or other officials. If you are observed cheating, you may receive an F on the assignment/exam and be dismissed from the course. Furthermore, the incident will be reported to the Dean of Student Development for review and a note will be made in your school records. Please do not give me any reason to suspect cheating.

CODE OF STUDENT CONDUCT

The college has an obligation to specify those standards of behavior essential to its educational mission and campus life. The students who are in violation of the Code of Student Conduct are subject to disciplinary sanctions which apply at all times on campus as well as to any off-campus functions sponsored or supervised by the college.

ACCESSIBILITY ACCOMODATIONS

If you have a documented disability and wish to discuss academic accommodations, or if you would need assistance in the event of an emergency evacuation, please inform me as soon as possible.

EMERGENCY INFORMATION

Check out the Emergency website for information on what to do in an emergency (earthquake, electrical outage, fire, extreme heat, severe storm, hazardous materials, terrorist attack) here: https://www.deanza.edu/emergency/. Be familiar with these procedures. Information on this page is updated as required.

LAST NOTE

Please remember that you are responsible for your education. This means that if you are having trouble understanding a concept presented in class, I encourage you to ask questions during class or in office hours. Do not wait until the end of the quarter to realize that you need help. Math and Statistics are hierarchical subjects – they continue to build up on knowledge from previous material. If you miss a lecture, ask a friend to share his/her lecture notes with you.

Student Learning Outcome(s):

*Graphically, analytically, numerically and verbally analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.

*Apply infinite sequences and series in approximating functions.

*Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.