



**Math 1C-61 – Calculus**  
**Winter 2018**  
**Meets: MW, 6:30 PM to 8:45 PM**  
**Room: ADM103**

<b>Instructor:</b> Lilit Mazmanyanyan	<b>Office:</b> Baldwin Winery
<b>Contact:</b> mazmanyanyanlilit@fhda.edu	<b>Office hours:</b> Monday and Wednesday 5:45 PM to 6:15 PM

**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.

**Prerequisites**

- MATH 1B or MATH 1BH (with a grade of C or better) or equivalent.
- Not open to students with credit in MATH 1CH.
- Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273.

**Textbook**

J. Stewart, Calculus: Early Transcendentals, 8th edition, Cengage Learning, 2016.

**Calculators and Computer Software**

- A TI-83 PLUS, TI-84 or TI-84 PLUS graphing calculator is REQUIRED in class every day
- It is the student's responsibility to obtain a calculator to use if his/her calculator is lost or broken. Library Reserve has calculators for limited loans. The instructor can NOT lend her calculator.
- Cell phones or other devices CANNOT be used in place of a permitted calculator on any quiz or examination

<b>Homework (HW)</b>	<ul style="list-style-type: none"><li>• Homework is done online using WebAssign</li><li>• Students need to self-register at <a href="http://www.webassign.net">http://www.webassign.net</a> to use WebAssign software</li><li>• <b>CLASS KEY</b> to register on WebAssign <b>WILL BE SENT TO STUDENTS BY EMAIL</b></li><li>• After the due date/time, HW cannot be submitted for credit</li><li>• After the due date/time, the answer key is available online</li><li>• The lowest homework score will be dropped</li></ul>
<b>Quizzes (Q)</b>	<ul style="list-style-type: none"><li>• Closed book</li><li>• Based on classwork and homework</li><li>• One sheet of notes (double-sided 8.5 x 11-inch), HANDWRITTEN, is allowed</li><li>• NO MAKE-UP QUIZZES are given</li><li>• Missed quiz is graded as a zero (0)</li><li>• The lowest quiz score will be dropped</li></ul>
<b>Exams &amp; Final Exam (EX,FE)</b>	<p>There will be four (4) examinations</p> <ul style="list-style-type: none"><li>• EX 1,2&amp;3 are one hour each and Final exam is two hours</li><li>• Examination dates are on the course schedule</li><li>• Closed book</li><li>• Bring calculator, spare batteries, pencils, ruler, sharpener, and eraser</li><li>• If English is the student's second language, a paper English translation dictionary is permitted</li></ul>

	<ul style="list-style-type: none"> <li>• Electronic English translation dictionaries are NOT permitted.</li> <li>• One sheet of notes (double-sided 8.5 x 11-inch), HANDWRITTEN, is allowed for the EX 1,2&amp;3.</li> <li>• Two sheets of notes (double-sided 8.5 x 11-inch), HANDWRITTEN, are allowed for the Final Exam.</li> <li>• There are NO MAKE-UP examinations</li> <li>• An absence from any examination earns a grade of zero (0)</li> <li>• You MUST take the final exam to pass the course</li> </ul>																																												
<b>Grading</b>	<p>Students will be graded on homework (HW), quizzes (Q), and exams (EX1, EX2, EX3 and FE).</p> <p>Grading depends on the clarity of work, interpretations, accuracy and completeness of graphs, and explanations as well as numerical answers.</p> <p><b>Distribution of weights for each category</b></p> <table border="1" data-bbox="402 751 1117 1003"> <thead> <tr> <th>Category</th> <th>% Weight on Final Grade</th> </tr> </thead> <tbody> <tr> <td>Homework</td> <td>10 %</td> </tr> <tr> <td>Quizzes</td> <td>10 %</td> </tr> <tr> <td>Exam 1</td> <td>20 %</td> </tr> <tr> <td>Exam 2</td> <td>20 %</td> </tr> <tr> <td>Exam 3</td> <td>20 %</td> </tr> <tr> <td>Final Exam</td> <td>20 %</td> </tr> </tbody> </table> <p><b>Grading Scale</b></p> <table border="1" data-bbox="402 1066 928 1243"> <tbody> <tr> <td>A+</td> <td>≥99</td> <td>A</td> <td>94-98</td> <td>A-</td> <td>90-93</td> </tr> <tr> <td>B+</td> <td>86-89</td> <td>B</td> <td>82-85</td> <td>B-</td> <td>78-81</td> </tr> <tr> <td>C+</td> <td>74-77</td> <td>C</td> <td>70-73</td> <td></td> <td></td> </tr> <tr> <td>D+</td> <td>64-69</td> <td>D</td> <td>58-63</td> <td>D-</td> <td>50-57</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>F</td> <td>&lt;50</td> </tr> </tbody> </table> <p><b>Extra Credit</b> During the course you will get extra credit problems. They will be included in coursework, homework, and on exams.</p>	Category	% Weight on Final Grade	Homework	10 %	Quizzes	10 %	Exam 1	20 %	Exam 2	20 %	Exam 3	20 %	Final Exam	20 %	A+	≥99	A	94-98	A-	90-93	B+	86-89	B	82-85	B-	78-81	C+	74-77	C	70-73			D+	64-69	D	58-63	D-	50-57					F	<50
Category	% Weight on Final Grade																																												
Homework	10 %																																												
Quizzes	10 %																																												
Exam 1	20 %																																												
Exam 2	20 %																																												
Exam 3	20 %																																												
Final Exam	20 %																																												
A+	≥99	A	94-98	A-	90-93																																								
B+	86-89	B	82-85	B-	78-81																																								
C+	74-77	C	70-73																																										
D+	64-69	D	58-63	D-	50-57																																								
				F	<50																																								

### Attendance, Drops or Withdrawals

- Regular attendance is essential for success in the course
- A student who discontinues coming to class and does not drop the course will automatically receive an 'F' grade for the course
- It is the student's responsibility to drop or withdraw from this course by the college deadlines

### Important Dates and Deadlines (<https://www.deanza.edu/calendar/winterdates.html>)

<b>Monday</b>	<b>January 8</b>	First day of Winter Quarter 2018.
<b>Saturday</b>	<b>January 20</b>	Last day to add quarter-length classes. <b>Add date is enforced.</b>
<b>Sunday</b>	<b>January 21</b>	Last day to drop for a full refund or credit. Last day to drop for a class with no record of grade. <b>Drop date is enforced.</b>
<b>Friday</b>	<b>March 2</b>	Last day to drop with a "W." <b>Withdraw date is enforced.</b>

<b>Monday</b>	<b>January 15</b>	Holiday: Observance of Martin Luther King's Birthday.
<b>Friday-Monday</b>	<b>February 16-19</b>	Holiday: Presidents' Day Weekend (no classes).
<b>Saturday-Friday</b>	<b>March 26-30</b>	Final examination <a href="https://www.deanza.edu/calendar/finalexams.html">https://www.deanza.edu/calendar/finalexams.html</a>

### **Academic Honesty and Discipline Policy:**

Students are expected to abide by the DeAnza College Code of Conduct and not participate in academic dishonesty.

Academic dishonesty includes:

- Copying from other students (plagiarism)
- Using notes during a quiz or examination that do not meet permitted specifications
- Continuing to write or erase on a quiz or examination after the permitted time has ended
- Using any electronic device other than the approved TI calculator on a quiz or examination
- Sharing a calculator with another student for a quiz or examination

Academic dishonesty can result in a grade of 'F' for that quiz or examination or assignment, or a grade of 'F' for the course and referral to the Dean for academic discipline.

### **Disruptive Behavior:**

The use of cell phones and other noise emitting devices is disruptive. Students must keep their cell phones and other noise making devices in the off-mode, and keep them off the desk and out-of-sight.

Disruptive behavior includes:

- Engaging in an activity not related to the classroom activity
- Eating or drinking during class
- Monopolizing discussion time
- Late arrivals or early departure

### **Tutoring**

The Math, Science and Technology Resource Center is located in S43 on the De Anza Campus, (408) 864-8683. Hours of operation: Monday - Thursday 8:30 am - 6:30 pm, Friday 8:30 am - 12:30 pm.

*Student Success Center:* <http://deanza.edu/studentsuccess/mstrc/>

### **Students with Disabilities**

Students with disabilities who qualify for academic accommodations must provide a notification from the Disability Support Services (DSS) and discuss their specific needs with the instructor at the beginning of the quarter. For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) please contact Disability Support Services (DSS). DSS is located in Student Community Services Building, Room 141. Phone number is (408) 864-8753; TTY (408) 864-8753.

*Disability Support Services:* <https://www.deanza.edu/dss/>

**Tentative Schedule**

	Monday	Wednesday
Week 1	January 8 <b>Syllabus/Section 11.1</b>	January 10 <b>Sections 11.2, 11.3</b>
Week 2	January 15 Observance of Martin Luther King's Birthday <b>No Class</b>	January 17 <b>Sections 11.4, 11.5</b> <b>Quiz 1; HW 1 due</b>
Week 3	January 22 <b>Sections 11.5, 11.6</b>	January 24 <b>Sections 11.7, 11.8</b> <b>Quiz 2; HW 2 due</b>
Week 4	January 29 <b>Sections 11.8, 11.9</b>	January 31 <b>HW 3 due</b> <b>Exam 1 (one hour)</b> <b>Section 11.10</b>
Week 5	February 5 <b>Sections 11.10, 11.11</b>	February 7 <b>Sections 10.1, 10.2</b> <b>Quiz 3; HW 4 due</b>
Week 6	February 12 <b>Sections 10.2, 10.3</b>	February 14 <b>Sections 10.4, 12.1</b> <b>Quiz 4; HW 5 due</b>
Week 7	February 19 Presidents' Day <b>No Class</b>	February 21 <b>HW 6 due</b> <b>Exam 2 (one hour)</b> <b>Section 12.2</b>
Week 8	February 26 <b>Sections 12.2, 12.3</b>	February 28 <b>Sections 12.4, 12.5</b> <b>Quiz 5; HW 7 due</b>
Week 9	March 5 <b>Sections 12.5, 13.1</b>	March 7 <b>Sections 13.1, 13.2</b> <b>Quiz 6; HW 8 due</b>
Week 10	March 12 <b>Sections 13.2, 13.3</b> <b>Quiz 7</b>	March 14 <b>Sections 13.3, 13.4</b> <b>HW 9 due</b>
Week 11	March 19 <b>Exam 3 (one hour)</b> <b>Review Problems</b>	March 21 <b>Review Problems</b> <b>Quiz 8; HW 10 due</b>
Week 12	March 26 No class	March 28 <b>Final Exam (two hours)</b> <b>6:15-8:15 PM</b>

- Any change in schedule is announced during class. Students are responsible for keeping track of schedule changes.
- Final Exam date/time is the college mandated official final exam date/time.
- Course materials (syllabus, lecture presentations and quiz/exam answer keys) are uploaded onto *Canvas*. It is accessible to you via MyPortal as you are enrolled in the course. You can also access into Canvas using direct link (<https://deanza.instructure.com>) with your MyPortal login credentials.

**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.