

# De Anza College-Math 1B-07-Calculus SPRING 2016

**Instructor:** Gul Yayli - [yayligul@fhda.edu](mailto:yayligul@fhda.edu)

**Class Meets:** MTWRF between 12:30AM-13:20 PM

**Room:** G5

**Office Hrs:** M, T, W 13:30-14:30 (E37 ), or by appointment.

**Class Website:**

- <http://nebula2.deanza.edu/~gulyayli/>
- The class syllabus, calendar, and other materials will be posted on the class web site.

**Prerequisites:** Math 1A– or an equivalent course.

**Textbook:** Stewart, Calculus Early Transcendentals, 7th Edition Cengage Learning.

**Materials needed in class:**

- Graphing calculator:  
Recommended: TI-84, TI-84+, TI-83 or TI-83+ are strongly.  
TI89, TI92 or other calculators that do algebraic manipulation are not allowed.  
You can rent a TI-83+ for \$10 per month from [rentacalc.com](http://rentacalc.com).
- Small ruler and stapler

**Official Course Outline:** <https://www.deanza.edu/publications/catalog/search/outlinepublic.html?searchID=MATH1B>

**Student Learning Outcomes:**

- Analyze the definite integral from a graphical, numerical, analytical, and verbal approach, using correct notation and mathematical precision
- Formulate and use the Fundamental Theorem of Calculus
- Apply the definite integral in solving problems in analytical geometry and the sciences.

**Evaluation and Grade Break Down:**

3 Class Tests	45% (15% each)
Scheduled, Pop& Group Quizzes	15%
Participation	10%
Final Exam	30%
Total	100%

A = 90-100%   B = 80-89%   C = 70-79%   D = 60-69%   F= below 60%

**Some important**

**Dates:**

Saturday, April 16 <sup>th</sup> , 2016	Last Day to Add.
Sunday, April 17 <sup>th</sup> , 2016	Last day to drop with no grade of record.
Monday, May 30 <sup>th</sup> , 2016	Memorial Day - no classes
Friday, May 26 <sup>th</sup> , 2016	Last day to drop with W.

**Homework:**

Every section, that is being covered, has a homework.

- Homework is the selected exercises from the text book.
- It is your responsibility to make sure that you understand and can do all homework problems assigned.
- Homework will not be collected, unless your current quiz and participation average drops under 70% any time during the quarter.
- All your questions regarding the homework will be answered during our outside the class (office hours, or by appointment).
- Students are expected to do the assigned work as scheduled and to bring the completed homework to class.
- All the quizzes are going to be based on the homework so completing the homework in a punctual manner is very important.

**Quizzes:**

There are six scheduled quizzes throughout the quarter as indicated on the course calendar.

- There will be **no** make-up quizzes.
- Missing a quiz will result in a score of zero.
- The lowest 1 of your quiz score will not be counted toward your grade.
- Quizzes are closed book.
- You **must** bring your calculator, ruler and small stapler.
- If English is a second language, an English translation dictionary.

**Exams:**

3 exams will be given.

- Make-up exams will not be given without receiving approval prior to the exam.
- Exams are closed book.
- You **must** bring your calculator, ruler and small stapler.
- If English is a second language, an English translation dictionary.

**Tentative Exam Dates:**

Exam #1 Friday, April 22 <sup>nd</sup>	Covers: Ch. 5
Exam #2 Friday, May 20 <sup>th</sup>	Covers: Ch.6 &7.1-7.5
Exam #3 Friday, June 10 <sup>th</sup>	Covers: 7.6-7.8, 8.1, 6.4, 8.3, 8.5

**Final Exam:**

**Wednesday, June 22<sup>nd</sup>, 2016 between 11:30 a.m.-1:30 p.m.**

- Finals must be taken at scheduled time during finals week.
- Comprehensive 2 hour final exam. Closed book.
- You **must** bring your calculator, ruler and small stapler.

- If English is a second language, an English translation dictionary.
- If you miss the final exam, and do not contact me your final grade in the course will be an F.

- Dropping:**
- If you want to drop the class, do so according to the procedure listed in the schedule of classes. Failure to do so may result in a grade of F for the course.
  - Make sure you pay attention to College dates like the last day to drop a course with No Record, the last day to request a P/NP for a course, and the last day to withdraw from a course.
  - See the Schedule of Classes for these dates on DeAnza Website.

- Attendance:**
- Regular attendance at classes is required and is considered essential for successful academic work.
  - Any student who has accumulated the equivalent of **4** absences will be dropped from the class. It is **your responsibility** to drop the class by the appropriate due date. You assume full responsibility for work missed because of absence. If you must miss a class, it is your responsibility to get notes from another student.
  - Attendance will be taken at the beginning and end of each class meeting, and arriving to class more than **5** minutes after the class starts, or leaving the class more than **5** minutes before class ends will be counted as half absence .
  - If you miss any class, you are expected to email me (Email etiquette).
  - If you miss the first two weeks of the classes, you will be dropped to make room for the wait list students.
  - Add codes will be given on the second-class meeting.

**Tutorial Help:** There are two tutorial centers on the De Anza campus. S-43 provides tutoring for Math and Science and L-47 for everything else. Drop-in tutoring is always available. Individual tutoring is also available. You must complete a form, provided by the Tutorial Center, during the first couple weeks of the quarter to obtain one-on-one tutoring.

**Testing or other accommodations:** If you have a learning or other disability that requires accommodation, please contact either the Educational Diagnostic Center (LCW-110, 408-864-8839) or Disability Student Services (SCS-141, 408-864-8753) to arrange for in-class and/or testing accommodations.

**Academic Integrity:** Academic dishonesty will not be tolerated. If a student is found cheating and/or copying on any assignment, test or quiz or violating any other code of academic integrity, he or she will receive a 0 on the assignment and may be reported to the PSME Dean.

- Cellphone Etiquette:**
- When you come to class, make sure that your cell phone is off, and inside your backpack/purse.
  - Students who still are engaged with their cellphones (for any reason) or keeping their cellphones on their desks (for any reason) will be asked to leave the classroom.

**Email Etiquette:** I expect proper e-mails. As you move towards your professional life, it is important to have a professional approach to e-mails.

A proper email exchange:

- Email is sent from a respectable e-mail address with your name in it.
- Email includes class in subject line and name in text
- Send a response e-mail after you receive your answer.

**Expectations and How to be successful in the course:** I expect students to arrive to class by the start of class and stay the entire period. It is not appropriate to arrive late and/or leave early on a regular basis. If work, classes, or other events are creating such a conflict, please make other arrangements. I expect you to e-mail me if you will miss any classes (see Email etiquette)

- Do all the assigned homework, focusing more on the ones you struggle with.
- Please don't wait until you are drowning to ask for help.
- Please stop by my office during my office hours, or make an appointment with me at a different time, or send me an email with your questions.
- Ask for help with anything you don't completely understand, even if you got the right answer.
- De Anza College has several resources and accommodations for student success, get to know them and make use of the services, they are all for you.
- Have fun.
- Ask questions, asking questions is a crucial part of learning process.
- Pay attention.
- Stay focused.
- Get frustrated, and then unfrustrated.
- Discuss problems with your classmates, get into study groups.
- Spend at least 2 hours on your course per day, study on daily basis, don't leave it all the last minute.
- Have more fun!

Spring 2016 Math 1B: Tentative course Schedule

		Monday	Tuesday	Wednesday	Thursday	Friday
Apr	Week#1	Introduction 4	5.1 5	5.1/5.2 6	5.2 7	5.2 8
Apr	Week#2	Problem Solving-Group work 11	5.3 12	5.3 13	5.4 14	5.4 Quiz#1 15
Apr	Week#3	Problem Solving-Group work 18	5.5 19	Hyperbolic Functions 14	Review 21	Exam#1 (ch.5) 22
Apr	Week#4	6.1 25	6.2 26	6.2 27	6.3 28	Problem Solving-Group work- Quiz#2 29
May	Week#5	6.5 2	7.1 3	7.2 4	7.2 5	7.2/7.3 Quiz#3 6
May	Week#6	7.3 9	7.3/7.4 10	7.4 11	7.5 12	Quiz#4 7.5 13
May	Week#7	Problem Solving-Group work 16	Review 17	Exam#2 18	7.6 19	7.7 20
May	Week#8	7.7 23	7.7/7.8 24	7.8 25	7.8 26	Problem Solving-Group work Quiz#5 27
May/ June	Week#9	Memorial Day No class 30	8.1 31	6.4 1	6.4 2	Quiz#6 8.3 3
June	Week#10	8.3 6	8.5 7	8.5 8	Review 9	Exam#3 10
June	Week#11	9.2 13	9.3 14	9.4 15	9.4 16	Review 17
June	Week#12 Final	Finals No class 20	No class 21	Final Exam 11:30-13:30 22	Finals No class 23	Finals No class 24

### Assignment List

<b>Ch#5</b>	<p>5.1 3 , 5 , 13 , 18 , 19 , 20 , 26</p> <p>5.2 1 , 5 , 9 , 12 , 17 , 20 , 23 , 24 , 26–28 , 33 , 41 , 42</p> <p>5.3 5 , 9 , 12 , 16 , 21 , 24 , 27 , 34 , 37 , 39 , 68 , 76 , 78</p> <p>5.4 2 , 5 , 10 , 12 , 13 , 15 , 25 , 28 , 33 , 38 , 41 , 43 , 49 , 53 , 54 , 60</p> <p>5.5 1 , 3 , 4 , 7 , 10 , 13 , 15 , 18 , 21 , 27 , 33 , 36 , 41 , 45 , 46 , 48 , 55 , 59 , 65 , 68</p>
<b>Ch.#3</b>	3.11 1–6 , 7 , 9 , 12 , 21 , 31 , 35 , 38 , 39 , 47 , 48 , 51 , 57
<b>Ch.#6</b>	<p>6.1 1–4 , 6 , 9 , 14 , 17 , 19 , 21 , 25 , 28 , 29 , 31 , 44</p> <p>6.2 1 , 3 , 4 , 9 , 10 , 12 , 15 , 19 , 22 , 25 , 48 , 49 , 54 , 58 , 61</p> <p>6.3 3 , 5 , 6 , 10 , 13 , 15 , 18 , 21 , 27 , 29 , 30 , 37 , 38 , 45 , 46</p> <p>6.5 1 , 3 , 5 , 8 , 14 , 17</p>
<b>Ch.#7</b>	<p>7.1 1 , 2 , 3 , 5 , 7 , 9 , 10 , 12 , 17 , 23 , 26 , 28 , 33 , 37 , 42 , 51</p> <p>7.2 1 , 2 , 4 , 11 , 13 , 14 , 19 , 20 , 30 , 31 , 41 , 44 , 61 , 62 , 63</p> <p>7.3 1 , 2 , 4 , 5 , 10 , 11 , 14 , 17 , 21 , 23 , 31a , 33 , 35 , 43</p> <p>7.4 1 , 4 , 5 , 7 , 10 , 13 , 15 , 16 , 18 , 27 , 29 32 , 39 , 47 , 48</p> <p>7.5 1 , 5 , 8 , 13 , 18 , 19 , 22 , 24 , 26 , 31 , 38 , 41 , 47 , 49–52 , 59 , 65 , 74</p> <p>7.6 1 , 4 , 5 , 11 , 14 , 19 , 22 , 26 , 33 , 34 7.7 7 , 12 , 19 , 21abc , 30</p> <p>7.8 1 , 2 , 3 , 5 , 9 , 14 , 15 , 18 , 21 , 27 , 30 , 35 , 49 , 50 , 57 , 58 , 59</p>
<b>Ch.#8</b>	<p>8.1 1 , 3 , 5 , 6 , 9 , 12 , 15 , 16 , 19 , 26 , 34 36</p> <p>6.4 1 , 2 , 4 , 7 , 8 , 10 , 13 , 14 , 16 , 21 , 24</p> <p>8.2 5 , 6 , 9 , 10 , 13 , 19 , 25 , 26 , 29ab , 30</p> <p>8.3 1 , 3 , 4 , 5 , 9 , 12 , 15 , 25 , 31 , 37 , 45</p> <p>8.5 1 , 3 , 7 , 9 , 10 , 12 , 13 , 15 , 17 9.1 1 , 2 , 3 , 6 acd , 9 , 12 , 15</p>
<b>Ch.#9</b>	<p>9.2 1 , 3–6 , 11 , 21 , 24 a</p> <p>9.3 1 , 5 , 6 , 9 , 11 , 14 , 19 , 21 , 25 (don't graph) , 39 , 44</p> <p>9.4 1 , 3 , 4 , 5 , 7</p>