De Anza College – Spring '16

Math 1B – Calculus: Fundamentals of Integral Calculus

Instructor: Danny Tran   Email: trandanny@fhda.edu

Office Hours: M 1:30P – 2:20P (E32A), WTh 1:30P – 2:20P (S43), Th 10:30P – 11:20P (Email)

Prerequisite: Passing grade (C or better) in Math 1A or placement exam.

Class: Mon – Fri 8:30AM – 9:20AM (G7)

Student Learning Outcomes: (what you should be able to demonstrate by the end of the course):
- Analyze the definite integral from a graphical, numerical, analytical, & verbal approach, using correct notation & mathematical precision
- Formulate & use the Fundamental Theorem of Calculus
- Apply the definite integral in solving problems in analytical geometry & the sciences

Textbook:
1. Calculus: Early Transcendentals 7th edition
2. Student Access Code to WebAssign (Optional)

WebAssign: This is an online program we will be using to complete homework assignments. You can either purchase it straight from the website or purchase a textbook from the De Anza bookstore, and WebAssign access will be included. Here are steps to sign up for the online homework system:

1 – Go to http://www.webassign.net
2 – Click on "I Have A Class Key"
3 – Enter: **deanza 2195 5709**
4 – Fill out your personal information

If you elect not to pay for the online HW, you must submit hand-written HW to me on the due date, and I will randomly select 5 problems from each HW assignment to grade. I highly recommend that you complete the HW online through WebAssign, though.

Calculator: You may bring a calculator to class; however, you will not be allowed to use a calculator during quizzes or exams.

Attendance: Mathematics is a very demanding subject. As a result, regular attendance is extremely important. However, I realize that, on rare occasions, unforeseen circumstances may arise that prevent you from attending class or will force you to be late to class. Attendance will be taken each & every day. *Also, you MUST be in attendance during the entire first week of classes; otherwise, I will drop you from the course.*

Grading:
Group Quizzes (5 – Drop Lowest)	16%	
Homework – (24 - Drop lowest section)	13%	
Participation	4%	
Exams (4 – Drop Lowest)	42%	
Final Exam	25%	

Grades:

A	$92\% \leq x$	B+	$88\% \leq x < 90\%$	C+	$78\% \leq x < 80\%$	D	$60\% \leq x < 70\%$
A	$90\% \leq x < 92\%$	B	$82\% \leq x < 88\%$	C	$70\% \leq x < 78\%$	F	$x < 60\%$
		B-	$80\% \leq x < 82\%$				

Checking Your Grade:	Using Google Drive, you will have access to your current grade. Simply email me at trandanny@fhda.edu with your Gmail address & a code name you would like to be identified as on the document. (The code name can be anything that does not reveal your true identity – it can be anything from your favorite type of pasta to your favorite European football team). I will then invite you to the document where you can see your grade on each of the class' assessments as well as what you need to earn during the remainder of the course in order to earn an A, B, or C in the course.
Class Conduct:	Cheating is absolutely forbidden in my class. Looking at someone else's exam, helping another student during an exam, talking to anyone else except me during an exam, copying another student's work, or using an external source of information for which you were not explicitly given permission will result in disciplinary action. This disciplinary action might include anything from receiving 0 points on the exam to an F in the class. Cheating incidents will be reported to the Dean of Student Affairs. Also, I expect you to be respectful of your fellow students and of me. To that end, come to class on time, do not leave early unless you have that approved by me in advance, do not talk during class unless otherwise given permission, do not be disruptive, and pay attention during class.
Cell Phones:	If you are using your cell phone during class, you will be given a warning. If you continue, you will be asked to leave.
Group Quizzes:	There will be 5 group quizzes (16% total) throughout the quarter. They will last 50 min. You are allowed to work with up to 2 other people during the quiz. You must submit your own quiz. The lowest quiz is dropped; however, a quiz in which you are caught cheating is not dropped. You may not make up a quiz after it has been administered, but you may take a quiz early if allowed by Danny. No notes or calculators are allowed.
Participation:	During reviews and class problem solving days, I will assign credit based on attendance and participation. I strongly encourage you to work in groups on problems on the whiteboard. You may work on homework problems or problem solving problems.
Exams:	There will be 4 exams (42% total), 50 min each. You are only allowed to use a pencil / pen & note card (that I will distribute). The lowest exam is dropped; however, an exam in which you are caught cheating is not dropped. You may not make up an exam after it has been administered, but you may take an exam early if allowed by the instructor.
Final Exam Date:	Wednesday, June 22nd, 7AM – 9AM (You MUST be able to take the final on this day & at this time. NO exceptions)

Get to Know Your Classmates:
Obtain the following information from at least 3 of your classmates:

Classmate 1:	Classmate 2:	Classmate 3:
Name:	Name:	Name:
Email:	Email:	Email:
Phone:	Phone:	Phone:

Expectations:

Math 1B is an incredibly challenging course; be sure you put yourself in the best situation to succeed by having terrific study habits. The De Anza College Math Department strongly suggests that for each hour of instruction, you spend at least 1.5 – 2 hours, outside of class, studying (**translates to at least 7.5 - 10 hours per week**). Below is a list of tasks I recommend that you do in order to best succeed in this course & prepare yourself for calculus:

(5 hours per week) In class:
- ✓ Attend every class (lectures, reviews, quizzes, exams, and labs)
- ✓ Take notes & ask questions
- ✓ Work with students during the worksheet portion of class

(7.5 – 10 hours per week) Outside of class:
- ✓ Preview each lesson by skimming the lesson for 10-15 minutes before class meets
- ✓ Review your notes after class, making sure you have understood the material
- ✓ Attend office hours
- ✓ Form study groups to complete homework, study for quizzes / exams / final
- ✓ READ THE TEXTBOOK!
  - o Read explanations
  - o Work through the completed examples
  - o Complete extra practice problems

I strongly recommend that you purchase and bring to class each day:

1 – A 3-ring binder

2 – 4 dividers (title them: lecture notes, handouts, quizzes & exams, miscellaneous)

3 – A notebook or loose-leaf paper to take notes in.

Math 1B Tentative Schedule – Spring '16 (We may be ahead or behind by a section at given points during the quarter)

Apr 4 Intro, Syllabus	Apr 5 5.1	Apr 6 5.1, 5.2	Apr 7 5.2	Apr 8 Problem Solving
Apr 11 5.3	Apr 12 5.3, 5.4	Apr 13 5.4	Apr 14 Problem Solving	Apr 15 Group Quiz #1
Apr 18 5.5	Apr 19 5.5, 3.11	Apr 20 3.11	Apr 21 Exam #1 Review	Apr 22 Exam #1
Apr 25 6.1	Apr 26 6.1, 6.2	Apr 27 6.2	Apr 28 Problem Solving	Apr 29 Group Quiz #2
May 2 6.3	May 3 6.3, 7.1	May 4 7.1	May 5 Exam #2 Review	May 6 Exam #2
May 9 7.2	May 10 7.2, 7.3	May 11 7.3	May 12 Problem Solving	May 13 Group Quiz #3
May 16 7.4	May 17 7.4, 7.5	May 18 7.5	May 19 Exam #3 Review	May 20 Exam #3
May 23 7.6	May 24 7.7	May 25 7.7, 7.8	May 26 Problem Solving	May 27 Group Quiz #4
May 30 NO CLASS – Memorial Day	May 31 7.8	Jun 1 10.2	Jun 2 Exam #4 Review	Jun 3 Exam #4
Jun 6 8.1	Jun 7 8.3	Jun 8 8.5	Jun 9 Problem Solving	Jun 10 Group Quiz #5
Jun 13 9.1, 9.2	Jun 14 9.2, 9.3	Jun 15 9.3	Jun 16 Final Review	Jun 17 Final Review
Jun 20 NO CLASS	Jun 21 NO CLASS	Jun 22 Final Exam (7-9AM)		