
“If there's no struggle, there's no progress.” —Frederick Douglass

Math 1B-10

CRN: 34015

Final Exam: Monday, Mar. 21st 11:30 am – 1:30 pm

Winter 2016

MTWTHF 11:30 AM-12:20PM, room L25

Instructor: Ricardo Delgado

**E-Mail: delgadoricardo at fhda.edu

Phone: (408) 864-8681

Office: S43-C

Office Hours: M-F: 11:00am – 11:30am

Selected AM Saturdays in my office TBA

** Preferred contact method

Student Learning Outcomes

Upon completion of this course, students will be able to:

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

Grading

Your final grade will be based on the following weighted averages:

- Cumulative Final Exam = 30%
- Exams = 45% (3 administered, based on HW, class lecture, quizzes, text examples)
- Group Quizzes = 10% (based on HW, Wednesdays)
- Solo Quizzes= 10% (Fridays)
- Special Projects = 5%

Homework

There will be problems given to you to help guide your studies. These will not be collected and will serve as representative problems for each section. I will provide these by email and they will be located on my website.

Materials

- Calculus Early Transcendentals by James Stewart (7 Edition) , ISBN 9780495988281
- **Required: Scientific Calculator only for quizzes and exams**
- **Optional: TI-83, TI-84 or any approved graphing calculator.**

Prerequisite

Mathematics 1A with a grade of C or better, or equivalent. Advisory: English writing 211 and Reading 211 (or LART 211), or English as a Second Language 272 and 273.

Math, Science, and Technology Resource Center

(408) 864-8683

Hours: M-TH 8:30 AM to 6:30 PM

F 8:30 AM – 12:30 PM

Miscellaneous

Network, Network, Network!

Find a student in class who can be a resource for you! Comparing notes is a great way to study, as different viewpoints can often yield more efficient study results.

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Textbook Sections Covered:

In this order, unless I say otherwise in class:

Chapter 3 section 11

Chapter 5 sections 1-5

Chapter 6 sections 1-5

Chapter 7 sections 1-8

Chapter 8 sections 1-5

Chapter 9 sections 1-4

Appendix G (covered throughout in the quarter)

Additional topics will be covered, time permitting.

Topics to focus on in search engines

- Analyze hyperbolic functions
- Analyze and evaluate the definite integral as a limit of a Riemann sum and examine its properties
- Examine the Fundamental Theorem of Calculus
- Find definite, indefinite, and improper integrals using various techniques
- Examine applications of the definite integral in mathematics
- Examine some applications of the definite integral to other subjects such as physics, economics, and biology. Required applications include probability and center of mass.
- Examine differential equations

Attendance/Exams/Expectations

- All class meetings are mandatory, no exceptions. Roll will be taken. After accruing four unexcused absences, you will be dropped. Lack of attendance, leaving before class ends, or coming in late is considered disrespectful and as such, I will take serious note. Prior notice by way of e-mail is **required** if you must be absent.
- If you choose to not continue in the class, you must drop yourself. If you are still on my roster at the end of the quarter and you stopped attending, I must give you an F.
- You are required to attend all assessments and there will be no makeup quizzes or exams.

Learning Math

Study groups work! Recopying your notes every day works! Spending a little time everyday going through the next section's examples works! Teaching someone else works! Making study guides works! Writing your own quizzes and exams works! Expect to spend about 10 hours a week studying this material. Find tutoring immediately if needed at the Math, Science, and Technology Resource Center.

Additional Information

- Free online tutoring for students. Just login to MyPortal, go to the Students tab, and find the Smarthinking link. You can work with a tutor live (hours vary by subject) or post a question or piece of writing for a response. For more information, go to www.deanza.edu/studentsuccess/onlinetutoring

■ Grading Scale

A+: (95-100%)

A: {95%}

A -: [90-95%)

B+: (85-90%)

B: {85%}

B-:[80-85%)

C+:(75-80%)

C: {75%}

C - : [70%-75%)

D: [60-70%)

F- [0-60%)

■ Accommodations for Students with Learning Differences

If you need accommodations for being successful for this class (e.g. note-taker, test-taking services, special furniture, use of a service animal, sign language interpreter, etc.) please contact the Disability Support and Services (DSS) Department (408) 864-8753 as soon as possible. Contact the DSS if you are feeling overwhelmed and need someone to talk to and contact the Educational Diagnostic Center (EDC) at (408) 864 -8839 if you are having trouble learning in any of your classes.

- Be respectful to your fellow students and to me at all times during class. Please, please, *please* be on time and do not leave early unless you have talked to me beforehand and do not talk during lecture.
- The final exam must be taken during the specified time and if you cannot take the exam during the time, please find another instructor.
- You are required to pre-read sections and work through text examples prior to coming to class. Consider this practice mandatory HW every day.

■ Academic Dishonesty

No cheating. Enough said. If it feels like cheating, it probably is. Nothing is worth risking the privilege of attending De Anza College. I will take serious action. No talking during assessments and please **take care of your needs prior to the assessment.** (Solo quizzes, exams, final).

Cell Phone Policy

Please alert anyone in your personal life that you have class on MTWTHF from 11:30 AM to 12:20 PM and you are unavailable during this time. If you have a sick parent, child, etc. or some other unfortunate circumstance that requires you to always have your phone on, please see me so that I may excuse you from the cell phone policy.

Class Conduct

Be respectful to your fellow students and to me at all times during class. Please be on time and do not leave early unless you have talked to me beforehand and do not talk during lecture. Talk as much as possible during community quizzes. Bring your textbook to class. I don't mind if you share textbooks in class.

Note: Instructor has the right to change the syllabus as necessary.

Important Winter 2016 Dates

Monday, Jan. 4 :: First day of Winter Quarter 2016.

Saturday, Jan. 16 :: Last day to add quarter-length classes. *Add date is enforced.*

Sunday, Jan. 17 :: Last day to drop for a full refund or credit (quarter-length classes). *Drop date is enforced.*

Monday, Jan. 18 :: Last day to drop a class with no record of grade. *Drop date is enforced.*

Friday, Jan. 29 :: Last day to request pass/no pass grade. *Request date is enforced.*

Friday, Feb. 26 :: Last day to drop with a "W." *Withdraw date is enforced.*

Monday, Jan. 18 :: Holiday: Observance of Martin Luther King's Birthday

Friday, Feb. 12 :: Holiday: Observance of Abraham Lincoln's Birthday

Saturday-Sunday, Feb. 13-14 :: Holiday: Presidents' Day Weekend (no classes)

Monday, Feb. 15 :: Holiday: Observance of George Washington's Birthday

March 19-25 :: Final Exams
