Syllabus for Math 10B, Lecture B, Fall 2015

General Information
Integral calculus is important. Fundamentally, it's just the inverse operation of differentiation, but there are many applications of this concept that complement, as well as extend the knowledge gained in differential calculus. As stated in the general syllabus,
the principal goal of Math 10ABC is for students to develop a solid understanding of the fund amental ideas of calculus. So we try to emphasize
developing a good understanding of why the ideas and procedures of calculus make sense. While a certain level of technical proficiency is essential for that understanding, our goal is to present rationales for underlying concepts and results and their applications, more so
than to proofs that may be too formal, or to intricate technical processes (e.g., the most you will be asked to do about Riemann sums is to *set up* a problem). Beware that the textbook sometimes still goes into some formality that is probably inappropriate for this class; so we avoid too much of that, and instead pay
greater attention to informal motivating arguments when possible.

Textbook: *Calculus, 6th edition*, by Deborah Hughes-
Hallett, et. al.; published by John Wiley & Sons, Inc. 2013. You *do not need* to purchase the electronic edition or the edition with Wiley-PLUS.

Meeting Times:
MWF 2:00p-2:50p at Center 101

Instructor: Chris Tiee (ctiee@ccom.ucsd.edu)

Office Hours:
Tues 4p-6p
Fri 11:30-1:30
By Appointment

TAs:
Shaunak Das (shdas@ucsd.edu)
Maria Warren (j4warren@ucsd.edu)

Section Times:
Go to discussion section in order to ask questions and get more practice on homework. They are held Thursdays in WLH 2114, with your TAs:

B01   Th 2:00p-2:50p (Maria Warren)
B02   Th 3:00p-3:50p (Maria Warren)
B03   Th 4:00p-4:50p (Shaunak Das)
B04   Th 5:00p-5:50p (Shaunak Das)
B05   Th 6:00p-6:50p (Shaunak Das)
B06   Th 7:00p-7:50p (Shaunak Das)

Calculus Lab: Another place where to get
tutoring: http://www.math.ucsd.edu/resources/calculus-tutoring/
Exams
Notes:
There will be two midterms and a final. To the midterms, you are allowed one double-sided
sheet of notes (8.5 x 11 "US Letter" paper). For the final, you can have *two* double-sided
sheets of notes. In my own experience, the very act of making a sheet of notes is excellent
preparation for the exams, so please don't skip that task.

Dates:
Midterm #1: Friday, 10/23 (in class)
Midterm #2: Friday, 11/20 (in class)
Final: Wednesday, 12/09, at 3pm (different building: check WebReg).

If you have a conflict and cannot make one of the midterms, please let me know well in
advance and send another reminder a week in advance. If you cannot make the final, you
should not enroll in this class. However, students with disabilities can make arrangements
with the Office of Students with Disabilities (OSD) and the Math Front Desk (7th floor).

Homework:
Homework will be worth 10% of the grade, and mostly graded on completeness. The main
motivation for it is for practice for the exams; exams are based on the homework. They will all
be physical written homeworks; there is no electronic component (so if you hear about Wiley-
PLUS as used by other sections, or possibly what you did in 10A, don't pay any attention to
that). It will be due **in class on Fridays**. Please **write down which discussion section
you're enrolled in, so we can return it to you in the right section.** It makes also makes it
easier for the grader to sort out.

Grading:
Homework: 10%
Midterm 1: 25%
Midterm 2: 25%
Final: 40%

Grading will be *based on* the following scale; we may adjust it to make it more lenient
("curving" as it is known in modern student parlance), if necessary. We'll *try* to make tests
that will give reasonable averages to make it unnecessary:

A+	A	A-	B+	B	B-	C+	C	C-
97	93	90	87	83	80	77	70	60

Approximate Lecture Schedule (revised as of 11/6)
See http://ccom.ucsd.edu/~ctiee/classes/10b-cal.pdf .