Information for Midterm 1

1- The test will be held during the class time on Monday, 10/19 in Center 101.

2- You must bring a Blue Book to the exam. Blue books can be purchased at a variety of locations around campus, including the bookstore.

3- Please bring your UCSD student ID to the exam and expect it will be checked.

4- You may bring one 8.5”*11” sheet of handwritten notes (written on both sides) to the exam. This “cheat sheet” may contain anything you deem useful, **with the exception of solved problems or examples. You must turn in your cheat sheet with your blue book.**

5- No calculators (or other electronic devices)!!

6- You must know your discussion section ID:

Haik Manukian

- B01, Tu 6:00p - 6:50p
- B02, Tu 7:00p - 7:50p
- B03, Tu 8:00p - 8:50p
- B04, Tu 9:00p - 9:50p

Yashodhara Prabhuzantye

- B05, Tu 7:00p - 7:50p
- B06, Tu 8:00p - 8:50p

**If you attend a different section from the one in which you are enrolled, specify which is which on your blue book. For example you may write “I am enrolled in B03 but I attend B06”.**
Topics

The exam covers sections 4.9, 5.2, 5.3, 5.4, 5.6, 6.1, 6.2, 6.3, 7.1. Also remember that “you are responsible for material presented in the lecture whether or not it is discussed in the textbook. You should expect questions on the exams that will test your understanding of concepts discussed in the lectures.”

In particular, make sure you are familiar with the following topics:

1- Antiderivatives. (Section 4.9)

2- The definite integral: (Section 5.2)
   2-1) Relationship to area.
   2-2) Properties of the definite integral.

3-The Fundamental Theorem of Calculus, Parts I and II: (Sections 5.3 and 5.4)
   3-1) Calculating definite integrals.
   3-2) Constructing antiderivatives.

4- Substitution method. (Section 5.6)

5- The area between curves. (Section 6.1)

6- Finding volume using the slicing technique. (Section 6.2)

7- Finding the volume of a solid of revolution. (Section 6.3)

8- Integration by parts. (Section 7.1)

Every effort is made to make the exam questions clear, correct, and straightforward. However, minor errors are sometimes detected during the exam. Should this occur, the appropriate correction will be written on the board.