Calculus II – Met MA 124 A1
Spring 2020

Instructor: Timothy Kohl

Office: MCS 263

E-mail: `tkohl@bu.edu` (I read my e-mail throughout the day!)

Office Hours: **M 5:00 PM - 5:50 PM**

Lecture: **CAS 226**   **6:00 PM - 8:45 PM**

Text: <u>Calculus: Early Transcendentals</u>, 3rd Edition, Briggs, Cochran, Gillett, and Schulz [Pearson]

Remarks: In this class, we shall continue the study of integration, in particular developing various techniques of integration as well as applications of integration. The remainder of the semester will be devoted to sequences, series, and an introduction to differential equations.

Outline of topics to be covered:
(Note: Not all sections in a given chapter are covered.)

Integration	- Chapter 5
Applications of Integrals	- Chapter 6
Integration Techniques	- Chapter 7
Sequences and Infinite Series	- Chapter 8
Power Series	- Chapter 9
Differential Equations	- Chapter 7.9

Exams: During the semester, there will be two exams worth 100 points each, as well as a final exam worth 200 points. The schedule for these exams is on the next page.

Homework: During the semester, I will generally assign homework on a daily basis. This homework is your primary means of learning the material, even more so than the lectures. Indeed, it is only by actually working out the solutions to problems that one really learns this material. Not doing homework is a *bad* idea and will result in a poor performance in the course.

Additionally, there will be, throughout the course of the semester, 5 turn-in homework assignments, each worth 20 points, for a total possible maximum of 100 points *if you complete each perfectly.* Each turn-in assignment will be due by the next class meeting after it was assigned, unless otherwise indicated.

Grading: Your grade in the course will be based on the combined sum of the two exams, 5 turn-in homework assignments, and the final exam, out of a maximum possible total of 500 points.

Makeup Exams: Except in cases of illness, and then, only with a signed doctor's note, exams will be given **only** at scheduled times.

Cheating: I consider cheating and plagiarism to be very serious offenses, and any cases of it will merit action by the University Academic Standards Committee.

Important Dates:

Holidays: - Monday February 17
               Substitute Monday on Tuesday February 18

     - Spring Break: March 9

     - Monday April 20
               Substitute Monday on Wednesday April 22

Exam 1 – Tuesday February 18

Exam 2 – Monday March 30

Final - Monday May 4 - 6PM

The **last lecture** will be Monday April 27.

Web Page: There is a web page for the course where you can find the homework assignments listed, as well as the syllabus and other materials that will be made available during the course.

The URL is: **http://math.bu.edu/people/tkohl/teaching/current/124.html**