1 Course Information

QSCI 292: Analysis for Biologists II
In this course we will learn methods of integral calculus, with an emphasis on biological and ecological applications. Mathematical modeling is a very dynamic field, with lots of exciting problems. I hope to give you a flavour of its creativity and share my love of the subject with you.
Text: Calculus for Biology and Medicine, Second Edition
Author: Claudia Neuhauser
We begin with Section 5.8 and will work our way through most of Chapter 6 and Chapter 7. We will cover as much of Chapter 10 as we have time for.

Graphing calculators are not required and **not allowed**. I encourage to use a scientific calculator.

2 Teacher Information

Name: Aditya Khanna
Graduate Student
Quantitative Ecology and Resource Management (QERM)
Office: Loew 338
Email: khanna7@u.washington.edu

3 Meetings

We will meet Monday through Friday from 9:35 to 10:35 AM in MEB 235. I am starting and ending 5 minutes earlier than the scheduled time, because MWF I have a commitment at 10:50.

4 Office Hours

Monday: 1:30 to 3:30 PM
Tuesday: 12:00 to 1:00 PM

Office hours will be held in **Loew 338.** If I get a lot of business, we might go over to the library a few doors down where there is a white-board to work on things. I am also happy to talk to you after class on Tuesdays and Thursdays. We can either stay in the classroom or go over to my office.

5 Assignments and Homework

We will have homework (mostly consisting of problems from the text) due every Friday at the beginning of class. I encourage you to work together, but your write-ups should be your own work. I have only ever learnt math by doing homework, so I encourage you to work hard on these.

We will have 2 midterms on the following days:
Wednesday, 11 July
Wednesday, 1 August From time to time, I will also give you short quizzes (about 15 minutes) in class. Some of these will be unannounced, in which case you will get 50% of the grade just for being there. If they are announced ahead of time, I will grade them only for the content of your answers. We will schedule exam review sessions as the class needs them.

There will be a final on 17 August, the last day of class. It will contain problems from material throughout the course. We will talk more about this as we get closer to the date.

Remember, for earning credit on any problem, you must present your work; just writing an answer is not sufficient.

6 Grades

Homework: 30%
Midterms: 30%
Final: 25%
Quizzes and Attendance: 15%
The above formulation is subject to change!

7 Request

I request your patience and commitment. Mathematics can be long and hard, but once you understand something, it is truly fulfilling. Since I am expecting you to do your best work, you should expect nothing less from me! Please keep talking to me about what is and what isn't working for you. I will be happy to make any changes that benefit the class as a whole.