

MAT1332: Calculus for Life Sciences II

Spring/Summer 2010
(Syllabus)

Disclaimer: This syllabus is provisional and the instructor reserves the right to make changes.

Instructor: Michael A. Warren

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Office hours: Wednesdays 10-11 or by appointment. I will be happy to address your questions regarding the course and its contents. You are advised to make use of office hours.

Prerequisites: MAT1330.

Lectures: Tuesday 19:00-21:00 in CBY D207

Friday 11:30-13:00 in CBY D207.

Note that as per Faculty of Science guidelines attendance of the lectures and DGDs is compulsory.

DGD: Thursday 17:30-19:00 in CBY C03.

Course textbook: *Modeling the Dynamics of Life* (2nd ed.), by Frederick R. Adler (Thompson, 2005).

Additional supporting material will be provided on the course webpage.

Course webpage: aix1.uottawa.ca/~mwarren/MAT1332/index.html

Assessment: There will be regular homework assignments, two midterm exams and one final exam. These will be weighted as follows:

Homework **10%** (total)

Midterm exams **20%** (each)

Final exam **50%**

You must receive a mark of **40%** or higher on the final exam in order to pass the course. Anyone who receives less than 40% on the final exam will automatically be given a **F** in the course. The final exam will take place on Tuesday July 20 from 19:00 to 22:00. The midterm exams will take place in class on Tuesday May 25 and Tuesday June 29.

Homework assignments will be due in class. Late assignments will not be graded. Please staple your assignments and verify that your name and student number are clearly visible on the front page.

You are allowed to discuss homework assignments with your peers. However, you must write the solutions up on your own. Plagiarism and other forms of cheating will not be tolerated.

If you miss the midterm exam *and* provide a doctors note, the weight of the midterm will be moved to the final.

Only faculty approved calculators will be allowed for use during the exams. No notes or books will be allowed for use during exams.

Study break: June 7 to 11.

Course description Here is the “official” description from the Faculty of Science listing of the course:

Numerical integration, improper integrals, functions of several variables, partial derivatives, integration of functions of several variables. Introduction to differential equations, some techniques to solve simple differential equations, numerical solutions of differential equations, models in the life sciences using differential equations. For your information, this course is primarily intended for students registered in a life sciences program. Please verify your program requirements.