

MATH 1180, Fall 2007

Lecturer: Alla Borisyuk

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Office Hour: Monday 11:45 to 12:45 at LCB 303

Class website: www.math.utah.edu/~borisyuk/1180

Lab Instructor: TBA

Textbook: *Modeling the Dynamics of Life* by Frederick R. Adler (Second Edition)

Prerequisites: C or better in Math 1170

Course: This course is a continuation of 1170. Its goal is to introduce you to basics of differential equations, probability theory and statistical inference with motivation, examples and applications in life sciences. The course will cover most of the chapters 4-8 of the book. You are expected to read the book as we move along.

Homework: Homework will be assigned regularly in class and posted on class website. It will be due on **Monday at 5:30 PM**. After that it will not be accepted, no exceptions.

Midterm 1 is on September 26

Review session: September 24, Practice problems available: September 17

Midterm 2 is on October 31

Review session: October 29, Practice problems available: October 22

Midterm 3 is on December 5

Review session: December 3, Practice problems available: November 21

Final is on December 13, 10:30 to 12:30, same place as lecture. Final will cover all course material.

Labs: The labs are designed to enhance your understanding of course material by using the concepts learned in the lecture in computing projects.

Your grade consists of: Homework (15%), three midterms (15% each), labs (20%), and the final (20%)

Friendly advice:

- Do the homework! It will help you to see what you do and do not understand in the material
- Come to the office hours and ask questions! I will be able to help you much better if I see what your individual difficulties are – it's impossible to do that in class
- Read the book! It may have a slightly different way of explaining things, which in some cases you may find easier to understand. It also has additional examples.

Seeking Help: To find help, the students are encouraged to ask questions during study sessions, visit their instructor during the designated drop-in office hours, schedule an appointment, or visit the fine (no-cost) tutoring center of the department of mathematics. The tutoring center is located at the T. B. Rushing Undergraduate Student Center in the basement of LCB. There are also study rooms and computer labs available. Check <http://www.math.utah.edu/ugrad/tutoring.html>

If you would like additional tutoring, the ASUU Tutoring Center, 330 SSB, offers inexpensive private tutoring (\$6 an hour). A list of private tutors is also available from the math department office or the desk in the tutoring center.

Policy on attendance: Students are expected to attend every class and a lab session. If it is necessary to miss a class, it is the student's responsibility to make-up the missed material.

Special accommodations: A student who wishes to request consideration for a disability needs to contact the Center for Disabled Student Services in Room 160 Union. This must be done before special consideration will be given in class.

More on the homework and exams: The homework is assigned to give you practice and to help you identify where you are having trouble so that you can ask for help. Show all your work in the homework and the exams, not just the answers. Make sure that you look over your homework when they are returned to you, and if you still do not know why an answer is wrong, ask about it. If you have trouble with any of the concepts or the problems, talk to me, talk to the lab TA, or go to the tutoring center. Since ideas will build on each other throughout the semester, it is best to seek help as soon as possible.