MATH 1180
MATHEMATICS FOR LIFE SCIENTISTS
Spring Semester, 2016

Time and Place: MWF 9:40 a.m., LS 107
Computer Lab: Tuesdays as assigned in LCB 115
Instructor: Professor F. Adler
Office Hour: TBA
Offices: 304 LCB and 319 South Biology
Phone: 1-6848 and 5-6202
Web: `http://www.math.utah.edu/~adler/math1180/index.html`
email: adler@math.utah.edu
Lab TA: Heather Brooks, heather@math.utah.edu
Text: F. R. Adler, *Modeling the Dynamics of Life: Third Edition*

The Course. Math 1180 is the second semester of a full year calculus sequence designed to teach the mathematics necessary to do biology in this quantitative age. The sequence is for students with little or no previous calculus. We will cover one section of the book per lecture.

Computer Labs. We will meet for one hour weekly for a computer lab in LCB 115. Lab assignments will be due promptly on the following Monday and will account for 15% of your grade. The material covered in labs will be fair game for tests.

Homework. Written homework will be due weekly, usually on Mondays, with selected problems from the current sections. The problems are listed below and changes will be posted on the web page.

Exams. There will be three mid-terms (each with three or four problems), weekly quizzes (5 super-easy questions each, plus extra credit), and a comprehensive final (five problems).

Midterm 1 (Chapter 5)	Wednesday, February 3
Midterm 2 (Chapter 6)	Wednesday, March 2
Midterm 3 (Chapter 7)	Monday, April 4
Final Exam (Chapters 5-8)	Monday, May 2, 8:00 a.m.

Grading. Grades will be weighted according to the following scheme. You can drop your lowest midterm or give the final only half weight, and drop your worst two quizzes.

Each midterm	10%
Quizzes	10%
Final Exam	30%
Written homework	15%
Computer lab write-ups	15%

ADA policy The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union, 1-6020. CDS will work with you and the instructor to make arrangements for accommodations.

Accommodations policy. The instructor does not grant content accommodation requests as the course content fulfills legitimate pedagogical goals

Date	Sections covered	Homework Problems	Due
January 11	5.1	4, 8, 18, 22, 28, 40, 42	Jan 20
January 13	5.2	2, 8, 10, 16, 26, 34, 38	Jan 20
January 15	5.3	2, 4, 10, 14, 22, 32, 36	Jan 25
January 18	Martin Luther King Day		
January 20	5.4	2, 6, 8, 16, 22, 26	Jan 25
January 22	5.5	4, 8, 12, 22, 26, 32, 34	Feb 1
January 25	5.6	2, 6, 16, 20, 24, 28, 36	Feb 1
January 27	5.7	2, 6, 8, 12, 14, 16, 26, 32, 42	Feb 1
January 29	5.8	5, 6, 8	Feb 1
February 1	Review		
February 3	Midterm		
February 5	6.1	4, 8, 10, 14, 18, 22, 28	Feb 17
February 8	6.2	2, 4, 10, 16, 24, 28, 38, 50	Feb 17
February 10	6.3	2, 6, 10, 22, 32, 40	Feb 17
February 12	6.4	2, 6, 10, 14, 28, 30, 34, 38	Feb 22
February 15	President's Day		
February 17	6.5	2, 6, 10, 16, 22, 24, 26, 30	Feb 22
February 19	6.6	4, 8, 20, 24, 28, 30, 34, 38	Feb 29
February 22	6.7	4, 10, 16, 24, 28, 34, 40	Feb 29
February 24	6.8	4, 12, 14, 16, 28, 30, 40, 44	Feb 29
February 26	6.9	4, 16, 22, 30, 32, 36, 42	Feb 29
February 29	Review		
March 2	Midterm		
March 4	7.1	2, 6, 16, 24, 26, 30, 36	March 21
March 7	7.2	2, 6, 10, 22, 24, 34, 36	March 21
March 9	7.3	2, 6, 10, 34, 36, 40, 42	March 21
March 11	7.4	4, 10, 20, 24, 36, 46, 48, 50, 52	March 21
March 21	7.5	2, 6, 22, 24, 26, 28, 40	March 28
March 23	7.6	2, 8, 12, 16, 40, 48, 58	March 28
March 25	7.7	2, 6, 12, 16, 20, 24, 42, 46, 50	April 1
March 28	7.8	4, 6, 10, 32, 36, 38	April 1
March 30	7.9	4, 10, 12, 28, 30, 38, 40	April 1
April 1	Review		
April 4	Midterm		
April 6	8.1	10, 14, 20, 30, 36, 40	April 11
April 8	8.2	6, 10, 14, 20, 40, 46	April 18
April 11	8.3	4, 8, 12, 16, 20, 24, 44, 48	April 18
April 13	8.4	8, 14, 18, 20, 22, 24	April 18
April 15	8.5	2, 6, 10, 14, 26, 30, 32	April 25
April 18	8.6	6, 10, 14, 18, 22, 38, 42, 44	April 25
April 20	8.7	18, 32, 40	April 25
April 22	8.8	6, 12, 22, 28, 32	April 29
April 25	8.9	2, 4, 6, 8, 10, 12, 14, 32	April 29
May 1	Final		8:00 - 10:00 a.m.