



## Syllabus



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The aim of this course is to teach real-world modeling skills. We will mostly follow the text "A Course in Mathematical Modeling" by Mooney and Swift. We will proceed linearly through the text and should make it through the first four chapters. Particular emphasis will be placed on models related to biology and some outside reading/problems associated with this will be assigned.

Grading is based on the exams (70%), and homework exercises (30%). There will be two midterms (at the fifth and tenth week of the semester) and a final that is cumulative and counts double. Homework is to be turned in every Tuesday and should have clear evidence of organized effort on the problems. Thus, it is not a grade on number correct but rather on number "wrestled with". Examinations will closely resemble the homework exercises and are open book/notes/computers.