Office Hours. Monday, Thursday 11:15–12:15; or by appointment.

Goals/Learning Outcomes. These are:
will demonstrate understanding of models;
will be able to construct primitive models;
will demonstrate some knowledge of applications/limitations of mathematics or models.
will demonstrate written and oral communication of mathematics.

Content.
• Tools. calculus, probability, statistics, matrices, discrete math, programming, simulation
• Applications. predicting outcomes, ranking teams, predator-prey models, spread of diseases, voting schemes, discrete dynamic systems, and more.

Grade. A student’s final Numerical grade will be the average of the best four out of the following five grades (except that the Project has to count):
• Assignments 1–3.
• Test.
• Assignments 4–6.
• Project.
• Final exam.
The cut-off for an A will be between 89 and 90, probably the latter. The cut-off for a B will be between 78 and 80, probably the latter. The cut-off for a C will be between 66 and 70.

Assignments and Projects. Unless otherwise specified, these are individual assignments, and must be strictly your own work and are not to be shown to anyone else. The Project will be due the last week of classes; it will include both a written report and an oral presentation.

Test Date. October 7.

Notes/Text. Handoutss will be archived at http://people.cs.clemson.edu/~goddard/texts/math4500/

For more rules and regulations, see reverse. In particular, please note academic honesty policy, title IX rights, and enforcement of hand-in times.