

Syllabus ME366

Instructor Prof. E. Barouch

Office: 15 St. Mary Room 134

Office hours: M10-12 and by appointment

Graders: Anastasia and Mia

Policy:

There will be 3 hourly exams and a project. No final

Homework will be given weekly , graded and returned

HW are mandatory, no late HW accepted.

There will be no discussion sessions

Textbook: A ref. Will be recommended but not required.

Grade:

HW 20%, Project 20%, Tests: 15%, 20%, 25%

Topics to be covered:

1. Elementary probability space.
2. Elementary combinatorics.
3. Probability problems(including games).
4. Binary distribution.
5. Discrete random variables.
6. Continuous random variables.
7. Discussion of the central limit theorem.
8. Confidence intervals.
9. Hypothesis testing.
10. Multivariate distributions.
11. ANOVA (analysis of variance).