

Mathematical Statistics II, MATH 4262

MWF 11:05–11:55, Skiles 170

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Text book: Hogg, McKean and Craig, Introduction to Mathematical Statistics, 6th Edition.

Prerequisite: Math 4261.

Office Hours: MWF 10:00-11:00 or by appointment. Questions by email are always welcome.

Outline: Most powerful tests, uniformly most powerful tests, likelihood ratio tests, quadratic forms, analysis of variance, test of independence, nonparametric statistics, linear models, Bayesian statistics

Homeworks: Grade some of them. Solutions will regularly be posted at the website of this course.

Grading Policy:

$$\text{course grade} = (2 * Exam1 + hwcl + 3 * Final exam) / 6$$

hwcl: homework plus quiz in class

A: [85, 100]; **B:** [70, 85); **C:** [60, 70); **D:** [50, 60); **F:** [0, 50).