

Mathematical Statistics I, MATH 4261

MWF 11:05–11:55, Instr Center 215

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Text: Hogg, Mckean and Craig, Introduction to Mathematical Statistics, 6th edition.

Prerequisite: Math 3215.

Office Hours: MWF 12:00-13:00 or by appointment.

Outline: conditional cdf and expectation, special distributions, convergence in probability, convergence in distribution, delta-method, central limit theorem, order statistics, maximum likelihood estimation, sufficient statistics, completeness, minimal sufficiency.

Homeworks: Some of assigned problems will be collected for grading. In general, I will notify you one week before the turn-in date through T-square and in class. Solutions and class notes will regularly be distributed via T-square.

Grading Policy:

$$\text{course grade} = (2 * Exam1 + 2 * Exam2 + hw + 3 * Finalexam)/8,$$

where each one has 100 points. The final letter is

$A : 85 - -$; $B : 75 - -84$; $C : 60 - -74$; $D : 50 - -59$; $F : \text{below } 50$

Tentative test dates: