

ORI 390R2

Mathematical Statistics

Spring 2001	M-W 12:30-2
Professor	Melba M. Crawford Etc 5.118 Phone: 471-3070 Email: melba@mail.utexas.edu
Office Hours	MW 9:30-10:30, F 1-2 or by appointment
Text	Statistical Inference Casella and Berger (Duxbury Press)
Prerequisite	ORI 390R1 (Applied Probability)
Exams	Two in-class exams, Comprehensive Final
Homework	Assigned once per week. Due at the beginning of class one week following date assigned.
Absence Policy	No exam make-up without medical justification
Grading	Homework: 20% Exams: 20% + 20% Final: 40%
Course Description	Topics include: Properties of statistics (e.g. sufficiency, completeness, invariance), point estimation (methods and properties), hypothesis testing (methods and properties), interval estimation (methods and properties), nonparametric statistics, and basic analysis of variance and linear regression. Reading Assignments: Casella and Berger: Review Ch 1-5 Required: Ch 6-9, Sections of Ch 11,12 Handouts: ANOVA and Regression (augmenting Casella and Berger Nonparametric Statistics Software: PC SAS recommended for Regression/ANOVA