960:582 Introduction to Methods and Theory of Probability

TEXT: Mathematical Statistics with applications, 7th edition - Wackerly,

Mendenhall, Schaeffer***

NOTE I have been told that an equivalent version can be found at

https://raw.githubusercontent.com/chqngh-berkeley/personal/master/Mathematical%20Statistics%20-%207th%20Edition%20-%20Wackerly.pdf

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Office hours: Tuesday 11:00 – 12:00 and by arrangement

Learning Goals: Students will learn the fundamentals of probability theory. They will be able to be able to compute probabilities related to basic random events and random variables. They will learn about properties of random variables and their usefulness. They will understand the notion of conditional probability and be able to use it in applications. In particular, they will be prepared to apply these concepts in areas of statistical inference.

Topics: The course is intended focus on Chapters of the text with emphasis on Chapters 2 through 5 and parts of Chapters 6 and 7.

Grading: There will be a midterm and a final each worth 50% of the grade.

Final exam is scheduled for Dec. 19, 2023 at regular class time.