Instructor: <u>Dr. Jinko Graham</u>

<u>Prerequisite:</u>

STAT 330

<u>Textbook:</u>

Statistical Inference 2nd Edition by Casella and Berger, published Duxbury/Thompson Learning, c.2002

<u>Calendar Description:</u>

Distribution theory, methods for constructing tests, estimators, and confidence intervals with special attention to likelihood methods. Properties of the procedures including large sample theory. Quantitative

<u>Outline:</u>

Students entering this course are responsible for having a sound understanding of the concepts of joint, marginal and conditional distributions; independence and conditional indepe

7. Testing in large samples
    a) likelihood ratio tests and large-sample approximations to their distributions
    b) score tests and large-sample approximations to their distributions