(1) The exam consists of a written part and an oral part. The written part will take place as usual (Fall and Spring as announced by the department), which will be a four hour exam with two questions. One is a must do question, and the other one is to choose from a set of three optional questions. The oral exam is two hours, which will be about three weeks after the written exam. Both the oral and the written exams will be based on the material in the new reading list.

(2) The written part will be graded using scores of 1 to 6 by multiple faculty members. The average score (across raters) must reach 3.5 to pass. The examining committee of the oral part consists of three to five quant faculty members. Immediately following the oral exam, each examining committee member will vote as pass or fail. A pass needs $k$ “yes” out of $k + 1$ votes.

(3) The result of the written part will be informed one week before the oral part. If a student fails the written part, then the oral part will be cancelled.
Psych 507:


Psych 508:


Psych 613 (Longitudinal Data Analysis):


Willett, J. B. (1989). Some results on reliability for the longitudinal measurement of change: Implications for the design of studies of individual growth, *Educational and Psychological...*


**Multivariate Analysis:**


**Statistical Inference**

Casella, G., & Berger, R. L. (2002). *Statistical inference* (2nd ed.). Duxbury. Chapters 1, 2.1-2.3, 3.1-3.3, 4.1-4.6, 5.1-5.3, 6.1, 6.2.1, 6.3.1, 7.1, 7.2.1, 7.2.2, 7.2.3, 8.1, 8.2.1, 8.3.1, 8.3.2, 9.1, 9.2.1

**Structural equation modeling:**


**Categorical data analysis:**


**Linear model:**


**General latent variable modeling-latent class analysis:**


**SEM Mixture Modeling:**


**Computational statistics:**


**Psychological Measurement:**


