STA3000 - Advanced Theory of Statistics
University of Toronto Fall 2015

Lectures: Monday 6-9pm at SS2101
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Course Description
This is the first half of the year long course. The covered topics in the first half include basic concepts of inference (statistical models, sufficiency, ancillarity, exponential models, group models), estimators and asymptotics (maximum likelihood estimators, Bayesian estimators).

Prerequisite
STA2112H and STA2212H or equivalent. (STA2111H and STA2211H may be co-requisites).
Some familiarity with measure theory is very useful. The text includes some supplementary material on this.

Reference
No specific textbook will be used. Instead the following references are useful.

Evaluation
Three to five assignments (30%) and a sitdown exam (20%)