

Design of Scientific Studies (STA305H1S/1004HS) 2016 Winter Term - Tentative Course Schedule

Week	Topics	Assignment Due Date
Jan 11-15	Introduction, review of mathematical statistics	
Jan 18-22	Comparing two groups via the randomization distribution	
Jan 25-29	Design of phase III clinical trials and comparing two groups designs	HW #1 due Jan. 26
Feb 1-5	Causal inference in randomized experiments	
Feb 8-12	Design of observational studies	
Feb 15-19	Reading week – No classes	
Feb 22-26	ANOVA - Comparing more than two groups	HW # 2 due Feb. 23
Feb 29- Mar 4	Review class Feb. 29 and Midterm test Mar 2 (11:10 – 12:40)	
March 7-11	ANOVA - Comparing more than two groups March 13 – Last day to drop S courses from academic record and GPA.	
March 14-18	Factorial designs at two levels	
March 21-25	Randomized block designs, Latin Squares, Balanced Incomplete Block Designs	HW # 3 due March 22
March 28- April 1	Blocking in factorial designs, fractional factorial designs	
April 4 – April 8	Restricted randomization and split-plot designs	HW #4 due April 5