

Date	Topics	Contents	Instructors	Classroom
7/23/2010 10:30 AM - 11:30AM Lecture 11:30 AM – 12:00PM Discussion	Introduction	Course expectations, overview of medical research, statistical significance vs. clinical significance	Ashley Sherman	House Staff
8/27/2010 10:30 AM - 11:30AM Lecture 11:30 AM – 12:00PM Discussion	Descriptive & Inferential Statistics	Variable types, measures of central tendency & variability, boxplot & histogram, hypothesis testing, CI	Ashley Sherman	House Staff
9/24/2010 10:30 AM - 11:30AM Lecture 11:30 AM – 12:00PM Discussion	Sample Size and Power Calculation	Sample size for mean comparison, proportion comparison and agreement testing.	Ashley Sherman	House Staff
10/22/2010 10:30 AM - 11:30AM Lecture 11:30 AM – 12:00PM Discussion	Two Group Comparisons	t-test, paired t-test, Wilcoxon Rank Sum, Signed Rank, chi-squared, McNemar's tests	Ashley Sherman	House Staff
Two session, choose one Session 1: 11/12/2010 10:30 AM - 11:30AM Lecture 11:30 AM – 12:00PM Discussion	Session 2: 11/19/2010 10:30 AM – 12PM	SPSS Workshop I Introduction of SPSS, data management, statistical testing, graph and table	Ashley Sherman	OPC1600
12/10/2010 10:30 AM - 11:30AM Lecture 11:30 AM – 12:00PM Discussion	Study Designs		Daisy Dai	House Staff
1/28/2011 10:30 AM - 11:30AM Lecture 11:30 AM – 12:00PM Discussion	Correlation & Regression	Pearson, Spearman, simple & multiple regression, scatterplots, (logistic regression)	Daisy Dai	House Staff
2/25/2011 10:30 AM - 11:30AM Lecture 11:30 AM – 12:00PM Discussion	Research Ethics and Misconduct	Discuss ethical issue and prevention of research misconduct, IRB	Dr. Greg Kearns	House Staff
3/25/2011 10:30 AM - 11:30AM Lecture 11:30 AM – 12:00PM Discussion	Diagnostic Studies, logistics regression		Daisy Dai	House Staff
Two session, choose one 4/15/2011 10:30 AM - 11:30AM Lecture 11:30 AM – 12:00PM Discussion	4/22/2011 10:30 AM – 12 PM	SPSS Workshop II Correlation plot, linear or multivariate regression analysis, logistic regression	Daisy Dai	OPC1600
5/27/2011 10:30 AM - 11:30AM Lecture 11:30 AM – 12:00PM Discussion	Survival analysis and Meta analysis		Daisy Dai	House Staff
6/24/2011 1:00 -2:00PM 10:30 AM - 11:30AM Lecture 11:30 AM – 12:00PM Discussion	Seminar or project presentation		TBA	House Staff