INTRODUCTION TO CLINICAL RESEARCH: A TWO-WEEK INTENSIVE COURSE, 2013
Johns Hopkins University School of Medicine
Welch Center for Prevention, Epidemiology and Clinical Research
2024 E. Monument Street; Suite 1-500Q

	MONDAY July 15	TUESDAY July 16	WEDNESDAY July 17	THURSDAY July 18	FRIDAY July 19
9:00 am	o Introduction o Pre-Test o Clinical and Translational Research: Expectations and Goals D. Ford	o Study Design: Cross-sectional Studies HC-Ch. 8 D. Ford	o Study Design: Pilot Studies C. Flexner	o Measurement Issues in Imaging B. Caffo	o Study Design: Clinical Trials – Part I HC-Ch. 10 E. Miller
10:00 am	o Defining the Research Question HC-Ch. 1,2 D. Ford	o Confidence Intervals: Inference About One and Two Population Means (Proportions)-Part I DT-pgs. 93-110 J. McGready	o Study Design: Prospective Studies HC-Chapter 7 P. Miller	o Research Funding and Career Development HC-Ch.19 M. Amey	o Study Design: Clinical Trials – Part II HC-Ch. 11 E. Miller
11:00 am	o Measurement of Rates and Risks D. Ford	o Confidence Intervals: Inference About One and Two Population Means (Proportions)-Part II DT-pgs. 135-153 J. McGready	o Choosing a Sample Size DT-pgs. 125-130 DT-pgs. 154-157 J. McGready	o Managing Your Own Data A. Hackman	o Secondary Translation D. Ford
12:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
1:30 pm	o Scientific Concepts for Clinical Research K. Bandeen-Roche	o Ethical Issues in Clinical Research J. Sugarman	o Study Design: Case-Control Studies HC-Ch. 8 D. Ford	o Principles of Drug Development C. Flexner	o Institutional Review Board D. Ford
2:30 pm	o Introduction to Statistical Inference DT-pgs. 72-90 K. Bandeen-Roche	***SMALL GROUPS ASSIGNMENTS WILL BE DISTRIBUTED ON TUESDAY, JULY 16TH***			
		3:00pm-4:00 Small Groups	**3:00pm-4:00** Small Groups	**3:00pm-4:00** Small Groups	**3:00pm-4:00** Small Groups
3:30 pm	o Introduction to Statistical Inference (cont'd) DT-pgs. 72-90 K. Bandeen-Roche				

HC - Hulley,Cummings, et al; DT - Dawson, Trapp

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	MONDAY July 22	TUESDAY July 23	WEDNESDAY July 24	THURSDAY July 25	FRIDAY July 26
9:00 am	o How to Make a Bad Plot K. Bandeen-Roche	o Systematic Reviews/Meta-analysis HC-Ch.13 S. Singh	o Conducting a Study Safely and Efficiently at Johns Hopkins D. Ford	o Mentoring J. Clark	9:00- 9:30 POST-TEST
10:00 am	o Searching the Literature V. Goode	o Patient Reported Outcomes A. Wu	o Survival Analysis – Getting Started DT-pgs. 221-228 G. Yenokyan	o Journal Editor's Tips on Publishing Your Study E. Bass	**PRESENTATIONS** Presentations by small groups will begin at approximately 10:00am and are to be 15 minutes in length (10 minutes for presentation; 5 minutes for questions)
11:00 am	o Evaluation of Diagnostic Tests and Screening I HC-Ch. 12/DT-Ch. 12 D. Dowdy	o Linear Regression DT-pgs. 192-220 DT-pgs. 245-279 K. Bandeen-Roche	o Log-linear, Logistic and Survival Regression DT-pgs. 261-263 DT-pgs. 229-244 J. McGready	o Working with the Institute for Clinical and Translational Research D. Ford	
12:00-1:30	LUNCH	LUNCH	LUNCH	LUNCH	LUNCHEON AND REVIEW OF POST-TEST
1:30 pm	o Evaluation of Diagnostic Tests and Screening II HC-Ch.12 D. Dowdy	o Confounding: Comparing Two Groups within Strata of Confounders HC-pgs. 127-145 K. Bandeen-Roche	o Statistics: Prediction/Prognostics Models J. McGready	o How to Access Data from Clinical Systems/bio-specimen and Clinical Data S. Meiselman	
3:00	o Small Group Meeting	o Small Group Meeting	o Small Group Meeting	o Small Group Meeting	

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