

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	<ul style="list-style-type: none"> o Introduction o Pre-Test o Clinical and Translational Research: Expectations and Goals <p>D. Ford</p>	<ul style="list-style-type: none"> o Study Design: Cross-sectional Studies <p>HC-Ch. 8 D. Ford</p>	<ul style="list-style-type: none"> o Study Design: Pilot Studies <p>C. Flexner</p>	<ul style="list-style-type: none"> o Measurement Issues in Imaging <p>B. Caffo</p>	<ul style="list-style-type: none"> o Study Design: Clinical Trials – Part I <p>HC-Ch. 10 E. Miller</p>
10:00 am	<ul style="list-style-type: none"> o Defining the Research Question <p>HC-Ch. 1,2 D. Ford</p>	<ul style="list-style-type: none"> o Confidence Intervals: Inference About One and Two Population Means (Proportions) <p>DT-pgs. 93-110 J. McGready</p>	<ul style="list-style-type: none"> o Study Design: Prospective Studies <p>HC-Chapter 7 M. Klag</p>	<ul style="list-style-type: none"> o Research Funding and Career Development <p>HC-Ch.19 M. Amey</p>	<ul style="list-style-type: none"> o Study Design: Clinical Trials – Part II <p>HC-Ch. 11 E. Miller</p>
11:00 am	<ul style="list-style-type: none"> o Measurement of Rates and Risks <p>D. Ford</p>	<ul style="list-style-type: none"> o Confidence Intervals: Inference About One and Two Population Means (Proportions)-Part II <p>DT-pgs. 135-153 J. McGready</p>	<ul style="list-style-type: none"> o Choosing a Sample Size <p>DT-pgs. 125-130 DT-pgs. 154-157 J. McGready</p>	<ul style="list-style-type: none"> o Managing Your Own Data <p>A. Hackman</p>	<ul style="list-style-type: none"> o Secondary Translation <p>D. Ford</p>
12:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
1:30 pm	<ul style="list-style-type: none"> o Scientific Concepts for Clinical Research <p>S. Zeger</p>	<ul style="list-style-type: none"> o Ethical Issues in Clinical Research <p>J. Sugarman</p>	<ul style="list-style-type: none"> o Study Design: Case-Control Studies <p>HC-Ch. 8 D. Ford</p>	<ul style="list-style-type: none"> o Principles of Drug Development <p>C. Flexner</p>	<ul style="list-style-type: none"> o Institutional Review Board <p>D. Ford</p>
2:30 pm	<ul style="list-style-type: none"> o Introduction to Statistical Inference <p>DT-pgs. 72-90 S. Zeger</p>	<i>SMALL GROUPS ASSIGNMENTS WILL BE DISTRIBUTED ON TUESDAY, JULY 16TH</i>			
		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	<ul style="list-style-type: none"> o Introduction to Statistical Inference (cont'd) <p>DT-pgs. 72-90 S. Zeger</p>				

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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 How to Access Data from Clinical Systems/bio-specimen and Clinical Data D. Gumas	
12:00-1:30	LUNCH	LUNCH	LUNCH	LUNCH	
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 Working with the Institute for Clinical and Translational Research D. Ford	LUNCHEON AND REVIEW OF POST-TEST
3:00	o Small Group Meeting	o Small Group Meeting	o Small Group Meeting	o Small Group Meeting	

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