

Research Course 2025 Schedule																Week 1												
MONDAY: 20-Oct-25 - In Person					TUESDAY: 21-Oct-25					WEDNESDAY: 22-Oct-25					THURSDAY: 23-Oct-25		FRIDAY: 24-Oct-25											
Time	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time	Speaker	Topic	Time/Location	Speaker	Topic	Objectives									
08:00													Work on Project Meet with Supervisor (book 1 hour meeting in advance)															
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09:00	09:00-09:30	Course Committee	Welcome/ Define Expectations/ Objectives	1) Overview of Process 2) Course Expectations **only mandatory for residents who haven't attended before	09:30-11:00 Zoom ID:	Dr. Grace Kwong	Study Design and Analysis: Types of Data	1) Types of data a) Categorical (nominal, ordinal) b) Numerical (discrete, interval) 2) Measures of central tendency 3) Data Presentation and Graphical Analysis	08:30-09:30	Grand Rounds Zoom/Auditorium - Need to Register to attend Zoom																		
09:15	CR?																											
09:30	09:30-10:15	Researcher Panel	Why you might want to consider a career in Academic Medicine	Ask your questions!					09:30-11:00 Zoom ID:	Dr. Gerry Giesbrecht	Study Design and Analysis: Statistics Lecture	1) The logic and use of statistics 2) Sampling Distributions - The normal distribution - Confidence intervals 3) Estimation and Hypothesis testing - Difference of Means 4) Power and Sample Size																
09:45																												
10:00																												
10:15	Break								Lunch and work on project	11:00-12:30 Zoom ID:	Dr. Jennifer Thull-Freedman	Quality Improvement Methodology	This session will provide learners with a basic understanding of how to plan a quality improvement project including: 1) What it is quality improvement science and how is it different from research?; 2) How QI projects are organized?; 3) How are ethical considerations addressed?; 4) How is data analyzed and presented?; 5) What factors should be considered in planning a publication in QI?															
10:30	10:30-12:00 CR?	Caitlin McClurg	Searching the Medical Literature for Evidence Based Practice	Need Unicaord Objectives:																								
10:45				1) Awareness of available library services and tools through Libraries & Cultural Resources; 2) Discover more about predatory publishers; 3) Identify different literature review types; 4) Formulate a research question; 5) Uncover distinct elements of their research topic using question frameworks; 6) Engage with OVID Medline																								
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13:00	13:00-14:00 CR?	Dr. Adam Kirton	How to Define a Research Question	1) How to write a clear research question 2) Give a checklist to help define research focus 3) Refine and improve YOUR research question	13:00-14:30 Zoom ID:	Dr. Janet Aucoin	Study Design and Analysis: Overview of Design	Overview of study designs 1) Descriptive studies 2) Analytic Studies 3) Break 4) Classifying study designs exercise 5) Report back to group	Lunch																			
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14:00	14:00-15:30	Small Group	Session 1 Small Group 1: CR? Small Group 2: CR? Small Group 3: CR? Small Group 4: CR? Small Group 5: CR? Small Group 6: CR?	Focus on getting acquainted and critiquing each other's research question/project aim	14:30-15:30 Zoom ID:	Dr. Serena Orr	Peer Review <i>Read the provided article before this session</i>	1) To gain insight into the peer review process 2) To gain insight into the editorial process 3) To develop an approach to critical appraisal skills and practice using a case-based example	13:30-15:00	Small Group	Session 2 Group 1: Zoom Group 2: Zoom Group 3: Zoom Group 4: Zoom Group 5: Zoom Group 6: Zoom	1) Refine research question 2) Outline/discuss hypothesis, objectives 3) Clarify options for research design																
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15:30																					Work on Project							
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Research Course 2025 Schedule													Week 2												
MONDAY: 27-Oct-25 - In Person					TUESDAY: 28-Oct-25 - In Person					WEDNESDAY: 29-Oct-25				THURSDAY: 30-Oct-25			FRIDAY: 31-Oct-25								
Time	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time	Speaker	Topic	Time/Location	Speaker	Topic	Objectives						
08:00													Work on Project Meet with Supervisor (Book 1 hour meeting in advance)	Work on Project/Meet with Supervisor											
08:15																									
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09:00	09:00-12:00 CR?	Jennifer Thull-Freedman	QI Workshop	TBD	08:30-09:30 Zoom ID:	Dr. Mary Dunbar	Study Design and Analysis: Diagnostic Studies	1) Understand the issues in the evaluation of a diagnostic test; 2) Appreciate components of evaluating test performance; 3) Precision and accuracy 4) Sensitivity and specificity - likelihood ratio/ positive and negative predictive values/ receiver operating characteristic (ROC) curves/ additional factors: cost, availability, acceptability, utility	08:30-09:30	Grand Rounds Zoom/Auditorium - Need to Register to attend Zoom				10:00-11:00 Zoom ID:	Jenna Millar	Research Grant Development & Budgeting: Where to start	1) Introduction to Research Grant Development at the University of Calgary 2) Project Planning and Timelines 3) Budgeting & Budget Justifications								
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14:00	13:30-15:00 CR?	Dr. Jessalyn Holodinsky & Dr. Khara Sauro	Study Design and Analysis: Observational Studies	1) Principles of observational studies 2) Overview of case control studies 3) Overview of cohort studies 4) Reporting guidelines for observational and case control studies	13:00-15:30 CR?	Dr. Katie Chaput	Qualitative Research Methods	1) To understand common qualitative methods and their application in health research 2) To develop sensitivity to the ethical issues in analyses and reporting of qualitative data 3) To understand the utility and methods for incorporating qualitative inquiry into mixed method studies	14:30-16:00	Small Group	Session 3 Group 1: CR8 Group 2: ZOOM Group 3: ZOOM Group 4: ZOOM Group 5: ZOOM	1) Review progress to date 2) Discuss specific issues related to each research project		Work on Project											
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17:00	ASSIGNMENT 1 DUE																								

Assignment 1: Research Question/Project Aim, Hypothesis and Objectives
Must be handed in via email by 1700 to:
1) Your Small Group Preceptors
2) Your project supervisor
3) Course coordinators (ACHresearchcourse@ahs.ca)

Research Course 2025 Schedule																	Week 3			
	MONDAY: 3-Nov-25 - In Person				TUESDAY: 4-Nov-25				WEDNESDAY: 5-Nov-25				THURSDAY: 6-Nov-25			FRIDAY: 7-Nov-25				
Time	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives				
08:00	Work on Project/Meet with Supervisor								Poster Title Due				Work on Project Meet with Supervisor (Book 1 hour meeting in advance)							
08:15																				
08:30					09:00-10:30 Zoom ID:				08:30-09:30 Grand Rounds Zoom/Auditorium - Need to Register to attend Zoom											
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09:30					Break				Break											
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10:30	Break				10:00-11:00 Zoom ID:				Dr. Mohamed Eltorki Essentials of Grant Writing/Pitfalls Developing a Research Proposal.											
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11:30	11:00-12:00 Conference Room ?				Dr. Adam Kirtton Presenting your results				1) Identify key elements of a great presentation 2) Develop strategies for effectively communicating research ideas and results 3) Apply these principles to your research project											
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12:30					Break				Lunch and Work on Project											
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13:15																				
13:30	13:00-14:30 Small Group				Dr. Julie Lauzon & Dr. Stacy Page				Ethical Issues: 1) Health Information Act 2) Ethics and Research Required Reading: TCPS – statement and tutorial - https://tcps2core.ca/welcome For the required reading portion, Dr. Lauzon requires that each participant MUST submit the certificate once the tutorial is completed. Each small group must select one resident to present their research idea for discussion of ethical implications.											
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14:30	14:30-15:30 Conference Room ?				Dr. Gerry Giesbrecht				Creating Posters: The good, the bad and the ugly Basics of what to include on a research poster and tips on presenting											
14:45																				
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15:30					Work on Project				13:30-14:30 Zoom ID:				Dr. Marinka Twilt Survey Design/Analysis Discuss and learn about: 1) Purpose of surveys 2) Survey Design Process 3) Distribution of surveys							
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16:45																				
17:00	ASSIGNMENT 2 DUE												Resident Academic Half Day							

Assignment 2: Background, Methods, and Outcome Measures
Must be handed in via email by 1700 to:
1) Your Small Group Preceptors
2) Your project supervisor
3) Course coordinators (ACHresearchcourse@ahs.ca)

Research Course 2025 Schedule																	Week 4												
	MONDAY: 10-Nov-25 - In-Person				TUESDAY: 11-Nov-25 STAT				WEDNESDAY: 12-Nov-25			THURSDAY: 13-Nov-25 - In-Person - Please see detailed schedule once avail.				FRIDAY: 14-Nov-25													
Time	Time	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Time/Location	Speaker	Topic	Details	Time	Speaker	Topic											
08:00	Work on Project/Poster				Remembrance Day STAT				FINAL POSTER DUE							Finish up Project: Final Assignment Due Small Research Grant Applications Due													
08:15																													
08:30									08:30-09:30			Grand Rounds Zoom/Auditorium - Need to Register to attend Zoom			8:45-10:30 CR3				ACHRI TA Chair ACHRI Trainee Association Intro										
08:45																							CIP rep CIP Intro						
09:00																											ENRICH Rep ENRICH Intro		
09:15									Keynote Speaker:			Dr. Serena Orr																	
09:30																													
09:45									Coffee Break				10:40-11:30 CR 2-4						Poster Presentations Session 1				Presentation format: 7 min summary presentation, 3 minutes for questions (10 min per poster)						
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11:00	10:30-12:00 CR?		Linda Longpre		Conducting Research - Requirements for CHREB and AHS Approvals		1) Practical session on how to submit an ethics application online using the IRISS platform 2) Overview of the process/requirements for obtaining approval to conduct research using AHS resources		Work on Project				11:45-12:35 CR 2-4				Poster Presentations Session 2				Senior Resident Presentation format: 10 min summary presentation, 5 minutes for questions (15 min per presentation)								
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12:00	Work on Project/Poster				13:45-14:45 CR 2-4								Poster Presentations Session 3 - Senior Peds Residents																
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13:30	Session 5 Small Group 1: CR5 Small Group 2: CR C4- 505 Small Group 3: CR C4- 426 Small Group 4: CR9 Small Group 5: CR10				Practice Poster presentations, provide feedback				Have draft of poster ready to present				Coffee Break																
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15:00	14:00-15:30		Small Group		15:00-16:30 CR 3				Senior Resident/Fellows Oral Presentations																				
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17:00	Assignment 3 Due								Poster must be emailed by 0830 to Course Coordinator (ACHresearchcourse@ahs.ca)							PROJECT DUE													
Assignment 3: Sample size considerations and statistical analysis Must be handed in via email by 1700 to: 1) Your Small Group Preceptors 2) Your project supervisor 3) Course coordinators (ACHresearchcourse@ahs.ca)																	Project: Research Proposal ready for submission to ethics board/scientific review Must be handed in via email by 1700 to: 1) Your Small Group Preceptors 2) Your project supervisor 3) Course coordinators (ACHresearchcourse@ahs.ca)												