

Date		Lectures, Sections, & Assignments	Chapter Readings
<b>Week 1</b>		<b>TOPICS: THE RESEARCH QUESTION</b>	
<b>Track 1</b>	<b>Track 3</b>	<b>*Please email pre-course assignment 2 days prior to course start</b>	<b>DCR 4<sup>th</sup> &amp; 5<sup>th</sup> edition chapters 1, 2</b>
<b>Wed 7/31</b>	<b>Wed 9/11</b>	LECTURES: "The Research Question" (Jacoby) SECTION: Discussion of Assignment 1, part 1	
<b>Due 8/1</b>	<b>Due 9/12</b>	<u>ASSIGNMENT 1</u> : E-mail revised Research Question and background to section leader by 5 pm	
<b>Week Two</b>		<b>TOPICS: STUDY DESIGNS, SUBJECTS &amp; VARIABLES,</b>	
<b>Track 1</b>	<b>Track 3</b>		<b>DCR 5<sup>th</sup> Ed.</b> 8, 9, 10, 11, 13 plus pick one: 12, 15 or 16 <b>DCR 4<sup>th</sup> Ed.</b> 7, 8, 10 plus pick one: 11, 12, or 13
<b>Mon 8/5</b>	<b>Mon 9/16</b>	LECTURES: "Observational Study Designs" (Bibbins-Domingo) "Introduction to Randomized Blinded Trials" (Kanaya) "Studies of Medical Tests" (Newman) SECTION: Discussion of Assignment 2, Part 1	
<b>Wed 8/7</b>	<b>Wed 9/18</b>	LECTURES: "Subjects & Variables" (Bauer) SECTION: Discussion of Assignment 2, part 2	<b>DCR 4<sup>th</sup> and 5<sup>th</sup> Ed. chapters 3, 4</b>
<b>Due 8/8</b>	<b>Due 9/19</b>	<u>ASSIGNMENT 2</u> : E-mail to section leader by 5 pm	
<b>Week Three</b>		<b>TOPICS: STATISTICS AND SAMPLE SIZE</b>	
<b>Track 1</b>	<b>Track 3</b>		<b>DCR 4<sup>th</sup> &amp; 5<sup>th</sup> Ed. chapters 5, 6</b> Also: "Statistical Interpret. of Data"
<b>Mon 8/12</b>	<b>Mon 9/23</b>	LECTURES: "Statistics for Life" (McCulloch) SECTION: Discussion of Assignment 3, part 1	
<b>Wed 8/14</b>	<b>Wed 9/25</b>	LECTURES: "Sample Size and Power" (Cummings) SECTION: Discussion of Assignment 3, part 2	
<b>Due 8/15</b>	<b>Due 9/26</b>	<u>ASSIGNMENT 3</u> : E-mail to section leader by 5 pm	
<b>Week Four</b>		<b>TOPICS: CAUSAL INFERENCE and QUESTIONNAIRES, PRE-EXISTING DATA &amp; QUALITATIVE RESEARCH</b>	
<b>Track 1</b>	<b>Track 3</b>		<b>DCR 5<sup>th</sup> Ed Chapter 10</b> <b>DCR 4<sup>th</sup> Ed Chapter 9</b>
<b>Mon 8/19</b>	<b>Mon 9/30</b>	LECTURES: "Causal Inference" (Grady) SECTION: Discussion of remaining protocol sections	
<b>Wed 8/21</b>	<b>Wed 10/2</b>	LECTURES: Qualitative Research & Questionnaire Design" (Kuppermann) SECTION: Discussion of remaining protocol sections	<b>DCR 5<sup>th</sup> Chapters 14, 17</b> <b>DCR 4<sup>th</sup> Chapters 15, 16</b>
<b>Due Fri 8/23</b>	<b>Due Fri 10/4</b>	<u>ASSIGNMENT</u> : <b>Final Protocols Track 2</b> due by Friday 8/23, by 5 pm—upload directly onto the on-line course website <b>Final Protocols Track 3</b> due by Friday 10/4, by 5 pm—upload directly onto the on-line course website	
<b>Week Five</b>		<b>TOPICS: ETHICAL CONSIDERATIONS &amp; OPTIONAL REVIEW</b>	
<b>Track 1</b>	<b>Track 3</b>		<b>DCR 5<sup>th</sup> Ed. chapters 7, 18, 19</b> <b>DCR 4<sup>th</sup> Ed. chapters 14, 17</b>
<b>Mon 8/26</b>	<b>Mon 10/7</b>	LECTURES: "Ethics in Research" (Grady & Chiong) "Responsible Conduct of Research" (Grady) "Data & Safety Monitoring" (Huang) and SECTION: Discussion of unique ethical cases in research and any outstanding issues that may have come up in the course.	
<b>Due Wed 8/28**</b>	<b>Due Wed 10/9**</b>	<u>OPTIONAL**</u> Students opting to take part in the protocol review should expect to receive written comments from an instructor and student outside of their usual section by midnight this day; they should also send their own written comments by that time. PLEASE NOTE YOU WILL NOT RECEIVE WRITTEN FACULTY REVIEW UNLESS YOU OPT IN. <u>PROTOCOL REVIEW</u> :	