

## Course Schedule: EDUC5053, Intro to Research

Dr. Austin Kureethara Manuel

Notice: Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor.

<b>Classes</b>	<b>Topics</b>	<b>Assignments</b>
Week 1 8/22 – 8/28	Introduction Course Requirements and Expectations Research Topic	<ul style="list-style-type: none"> <li>• Discussion 1</li> <li>• Research Topic</li> </ul>
Week 2 8/29 – 9/4	Types of Data Descriptive Statistics Bivariate Correlation	<ul style="list-style-type: none"> <li>• Assignment 1 (Chapters 2, 3, 9)</li> </ul>
Week 3 9/5 – 9/11	Picking a research topic Finding information in the electronic library. Writing Reviews Guidelines for writing a first draft Peer review and professor review.	<ul style="list-style-type: none"> <li>• Discussion 2.</li> <li>• APA 7 Assignment 1</li> </ul>
Week 4 9/12 – 9/18	Reliability and Validity Foundations of Inferential Statistics	<ul style="list-style-type: none"> <li>• Assignment 2 (Chapters 4, 5)</li> <li>• Research Topic</li> </ul>
Week 5 9/19 – 9/25	Estimation Hypothesis Testing	<ul style="list-style-type: none"> <li>• Assignment 3 (Chapters 6, 7)</li> <li>• <b>Mandatory Discussion #1</b></li> </ul>
Week 6 9/26 – 10/2	Research Designs Quantitative Analysis Qualitative Analysis Mixed Analysis	<ul style="list-style-type: none"> <li>• Discussion/On-line Collaboration 3.</li> <li>• APA 7 Assignment 2</li> </ul>
Week 7 10/3 – 10/9	Inferential Statistics concerning of one or two means Tests on three or more means using a one-way ANOVA Post hoc and planned comparison	<ul style="list-style-type: none"> <li>• Assignment 4 (Chapters 10, 11, 12)</li> </ul>

<b>Classes</b>	<b>Topics</b>	<b>Assignments Due 11:30 PM in D2L</b>
Week 8 10/10 – 10/16	Techniques and guidelines to summarize literature review; Synthesize literature prior to writing; develop coherent literature review; style, mechanics, and language. How to avoid plagiarism	<ul style="list-style-type: none"> <li>• Discussion 4</li> <li>• Literature Search Report.</li> <li>• APA 7 Assignment 3</li> </ul>
Week 9 10/17 – 10/23	Chapters 9 and 12 revisited	<ul style="list-style-type: none"> <li>• Assignment 5 (Chapters 12, 9 revisited)</li> </ul>
Week 10 10/24 – 10/30	Research and Writing Week.	<ul style="list-style-type: none"> <li>• Discussion 5;</li> </ul>
Week 11 10/31 – 11/6	Inferences on percentages, proportions, and frequencies Statistical tests on ranks Bivariate, Multiple, and Logistic Regression Work on draft 1	<ul style="list-style-type: none"> <li>• Draft 1 of literature review</li> <li>• APA 7 Assignment 4</li> </ul>
Week 12 11/7 – 11/13	Qualitative Designs Content Analysis Time Series Single Case Peer Review of Draft1	<ul style="list-style-type: none"> <li>• Draft1 Peer Review</li> <li>• <b>Mandatory Discussion #2</b></li> </ul>
Week 13 11/14 – 11/21	Introduction to Lit Review. Work individually on developing your final literature review. Make sure that you use peer review, professor review, and the concepts that you learned in this course.	<ul style="list-style-type: none"> <li>• Introduction to Lit Review</li> </ul>
Thanksgiving Week 11/22 – 11/27	Holiday Week	Holiday Week
Week 14 11/28 – 12/4	Develop a research question Final literature review discussions	<ul style="list-style-type: none"> <li>• Submit Final Lit Review</li> <li>• <b>Mandatory Discussion #3</b></li> </ul>
Week 15 12/5 – 12/7	Winding up the course.	<ul style="list-style-type: none"> <li>• Winding up the course.</li> </ul>