

## 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 1/20-1/25	Introduction Course Requirements and Expectations Research Topic	<ul style="list-style-type: none"> <li>• Discussion 1</li> <li>• Research Topic</li> </ul>
Week 2 1/26-2/1	Types of Data Descriptive Statistics Bivariate Correlation	<ul style="list-style-type: none"> <li>• Assignment 1 (Chapters 2, 3, 9)</li> </ul>
Week 3 2/2-2/8	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 2/9-2/15	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 2/16-2/22	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 2/23-3/1	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 3/2-3/8	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>
3/9-3/15	Spring	Break

<b>Classes</b>	<b>Topics</b>	<b>Assignments Due 11:30 PM in D2L</b>
Week 8 3/16-3/22	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 3/23-3/29	Chapters 9 and 12 revisited	<ul style="list-style-type: none"> <li>• Assignment 5 (Chapters 12, 9 revisited)</li> </ul>
3/30-4/5	Holiday	Week
Week 10 4/6-4/12	Research and Writing Week.	<ul style="list-style-type: none"> <li>• Discussion 5;</li> </ul>
Week 11 4/13-4/19	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 4/20-4/26	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 4/27-5/3	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>
Week 14 5/4-5/8	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 5/9-5/13	Time for any questions	<ul style="list-style-type: none"> <li>• Questions.</li> </ul>