

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.

Classes	Topics	Assignments
Week 1 8/25 – 8/31	Introduction Course Requirements and Expectations Research Topic	<ul style="list-style-type: none"> • Discussion 1 • Research Topic
Week 2 9/1 – 9/7	Types of Data Descriptive Statistics Bivariate Correlation	<ul style="list-style-type: none"> • Assignment 1 (Chapters 2, 3, 9)
Week 3 9/8 – 9/14	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"> • Discussion 2. • APA 7 Assignment 1
Week 4 9/14 – 9/21	Reliability and Validity Foundations of Inferential Statistics	<ul style="list-style-type: none"> • Assignment 2 (Chapters 4, 5) • Research Topic
Week 5 9/22 – 9/28	Estimation Hypothesis Testing	<ul style="list-style-type: none"> • Assignment 3 (Chapters 6, 7) • Mandatory Discussion #1
Week 6 9/29 – 10/5	Research Designs Quantitative Analysis Qualitative Analysis Mixed Analysis	<ul style="list-style-type: none"> • Discussion/On-line Collaboration 3. • APA 7 Assignment 2
Week 7 10/6 – 10/12	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"> • Assignment 4 (Chapters 10, 11, 12)

Classes	Topics	Assignments Due 11:30 PM in D2L
Week 8 10/13 – 10/19	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"> • Discussion 4 • Literature Search Report. • APA 7 Assignment 3
Week 9 10/20 – 10/26	Chapters 9 and 12 revisited	<ul style="list-style-type: none"> • Assignment 5 (Chapters 12, 9 revisited)
Week 10 10/27 – 11/2	Research and Writing Week.	<ul style="list-style-type: none"> • Discussion 5;
Week 11 11/3 – 11/9	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"> • Draft 1 of literature review • APA 7 Assignment 4
Week 12 11/10 – 11/16	Qualitative Designs Content Analysis Time Series Single Case Peer Review of Draft1	<ul style="list-style-type: none"> • Draft1 Peer Review • Mandatory Discussion #2
Week 13 11/17 – 11/23	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"> • Introduction to Lit Review
Thanksgiving Week 11/24 – 11/30	Holiday	Week
Week 14 12/1 – 12/5	Develop a research question Final literature review discussions	<ul style="list-style-type: none"> • Submit Final Lit Review • Mandatory Discussion #3
Week 15 12/6 – 12/12	Time for any questions	<ul style="list-style-type: none"> • Questions.