

Syllabus

SRM 600 Introduction to Graduate Research Summer 2024

INFO

Heng-Yu Ku, Ph.D.
Professor
McKee Hall, Room 503
University of Northern Colorado, Greeley, CO 80639
Phone: 970 351 2935
E-mail: heng-yu.ku@unco.edu

OFFICE HOURS: Since this is a distance learning course, I plan to be very flexible with office hours in order to meet your needs. Please contact me to set up an appointment.

WEB ADDRESS: <http://canvas.unco.edu> (SRM 600)

REQUIRED READING

- Ary, D., Jacobs, L.C., & Sorensen, C. (2006, 2010). Introduction to Research in Education (8th ed). Belmont, CA: Wadsworth/Thompson Learning.

OR

- Ary, D., Jacobs, L.C., Sorensen, C, & Walker, D. (2010, 2014). Introduction to Research in Education (9th ed). Belmont, CA: Wadsworth/Thompson Learning.

COURSE DESCRIPTION

This course is designed to introduce you to basic concepts, issues, and procedures related to educational research and design.

OBJECTIVES

Given the information from the course textbook and other course materials, you will:

1. Define and describe basic terminology and concepts associated with educational research.
2. Locate the Institutional Review Board (IRB) process at UNC and describe an appropriate IRB application.
3. Critique the problem statement and hypothesis of a research study.

4. Select an appropriate design for an educational research study.
5. Critique the review of the literature to determine if it fulfilled the purpose of the research study.
6. Critique the data-gathering instruments and procedures for collecting data.
7. Critically evaluate published research articles.

GRADING

You are graded on the following criteria for a total of 100 points:

1. 5 points - Your Bio and Picture (Profile). More information will be provided during week 1 of the class in Canvas.
2. 75 points – Three Reflection Papers and Three Peer Feedback Responses
 - a. Three reflection papers * (45 points)
 Reflection Paper 1: Chapters 1-7, Reflection Paper 2: Chapters 8-14 (Skip Chapter 12), and Reflection Paper 3: Chapters 15-21 (Skip Chapter 17). Each student is required to write the reflection paper individually.

Each student is required to write the reflection paper individually. After completing the required readings for each section, the student will complete a section reflection paper. The purpose of the reflection paper is to ensure that all students complete the assigned readings and take the time to reflect on what the reading content means to them. Write a reaction to any new ideas generated by the textbook and the course materials in Canvas.

Write a reaction to any of the new ideas generated by the textbook. A reflection paper is NOT a summary of everything you have read. It elaborates on part of what you read that is interesting to you. You should have about 1.5 pages single-spaced (no less than 750 words), 12-point, Times New Roman font. More information on how to submit reflection papers will be provided later this semester.

* You earn 15 points for each of the three reflection papers.

Rubric: 15 points for “reaction responses” (5 = react to the assigned chapters with minimal depth, 10 = react to the assigned chapters with some depth, 15 = react to the assigned chapters by sharing likes, dislikes, agreements, disagreements, learning, surprises, questions, or other signs of thinking.)

b. Three Peer Feedback Responses ** (30 points)

**You will earn 10 points each for responding to your team members’ (teams will be assigned) 3 reflection papers for a total of 30 points. To provide peer feedback, you will 1. View your team members’ reflection papers and select two members’ papers you would like to respond to. 2. Click on “Reply”, type your message (with no less than 250 words for each of your peer feedback), and click on “Post Reply”. More information on how to participate in and submit peer feedback will be provided later this semester.

3. 15 points – Research Article Critiques. More information on how to critique research articles will be provided later this semester.
4. 5 points – Final Course Reflection.

GRADING SCALE

Project	Due Date	Points
Bio and Picture	6/26/2024 (Wednesday)	5
Reflection Paper 1: Chapters 1-7	7/5/2024 (Friday)	15
Reflection Paper 1 Peer Feedback	7/8/2024 (Monday)	10
Reflection Paper 2: Chapters 8-14 (Skip Chapter 12)	7/12/2024 (Friday)	15
Reflection Paper 2 Peer Feedback	7/15/2024 (Monday)	10
Reflection Paper 3: Chapters 15-21 (Skip Chapter 17)	7/19/2024 (Friday)	15
Reflection Paper 3 Peer Feedback	7/22/2024 (Monday)	10
Research Article Critiques	7/29/2024 (Monday)	15
Final Course Reflection	7/31/2024 (Wednesday)	5
Total		100

Please note that all projects will be due **by Midnight (11:59 pm)** on the due date specified above.

100 points possible
90% (90 points and higher) = A
80% (80 - 89 points) = B
70% (70 - 79 points) = C
60% (60 - 69 points) = D

CALENDAR

This schedule is based on a "best" guess. Expect some changes. I will be checking our website M-F and will not be checking it on weekends. Therefore, be sure you have questions asked prior to the weekend if you plan to work over the weekend.

Week 1

6/24

Bio, Picture, and Part One: Foundations: The Scientific Approach in Education (Chapters 1-2)

What you need to do this week:

- Be familiar with the Canvas website.
- Post your face picture and bio (length: at least 300 words) in Canvas to let us know who you are.
- Read chapters 1-2 in your textbook and review Modules in Canvas.

Week 2

7/1

Part Two: Research Background (Chapters 3-5) and Part Three: Statistical Analysis (Chapters 6-7)

What you need to do this week:

- Read chapters 3-7 in your textbook and review Modules in Canvas.
- Write reflection paper 1 and provide peer feedback.

Week 3 7/8

Part Four: Fundamentals of Measurement (Chapters 8-9) and Part Five: Research Methods I (Chapters 10-14 – Skip Chapter 12)

What you need to do this week:

- Read chapters 8-14 (Skip Chapter 12) in your textbook and review Modules in Canvas.
- Write reflection paper 2 and provide peer feedback.

Week 4 7/15

Part Five: Research Methods II (Chapters 15-19 – Skip Chapter 17) and Part Six: Communicating Research (Chapters 20-21)

What you need to do this week:

- Read chapters 15-21 (Skip Chapter 17) in your textbook and review Modules in Canvas.
- Write reflection paper 3 and provide peer feedback.

Week 5 7/22

Work on Research Article Critiques and Final Course Reflection

Week 6 7/29

Submit Research Article Critiques and Final Course Reflection

ACCOMMODATIONS STATEMENT Students who believe that they may need accommodations in this class are encouraged to contact the Disability Support Services (970) 351-2289 or visit www.unco.edu/dss as soon as possible to ensure that accommodations are implemented in a timely fashion.

INCLUSIVITY STATEMENT

The College of Education and Behavioral Sciences (CEBS) supports an inclusive learning environment where diversity and individual differences are understood, respected, appreciated, and recognized as a source of strength. We expect that students, faculty, administrators, and staff within CEBS will respect differences and demonstrate diligence in understanding how other peoples' perspectives, behaviors, and worldviews may be different from their own.