

SRM 600- 700 CRN22091
Introduction to Graduate Research

Spring 2018

• **Instructor**

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Office: Virtual Office Hours

Office Hours: I will be available for virtual office hours (real-time chat via Canvas or phone call) by appointment. All lecture notes and materials will be provided via Canvas.

Class meeting dates: Class meetings are Friday & Saturday Jan.26- Jan.28th at Lowry Campus. The second half of the course will meet Friday - Sunday Feb. 9-11th. Online discussions and group activities will occur in-between our class meet.

1/26 - 1/28 and 2/9 - 2/11

Purpose of the Course:

The goal of this course is to provide an overview of basic principles of scientific research and an introduction to basic concepts and methods used in conducting educational and behavioral research.

Course Objectives: SRM 600 outcome fulfills the following ASRM program objective:

“ASRM majors and non-majors will possess basic knowledge of qualitative and quantitative methodologies including designs, general features, and guiding principles.” Following completion of this course, students should be able to:

- Define basic terminology and concepts associated with research
- Describe the steps involved in planning, designing, and implementing a research study
- Explain how to assess the reliability and validity of the instruments and procedures for collecting data
- Compute and interpret basic descriptive statistics
- Identify the problem and /or the hypothesis in a research study
- Critically evaluate methodological issues of published research reports

Text and Materials

- Ary, D., Jacobs, L.C., Sorensen, C., and Walker, D.. **Introduction to Research in Education**, 9th Edition. Belmont, CA: Wadsworth, Cengage Learning.
- Some supplementary research articles from Journals available at UNC library.
- **Notes and Assignments:** Notes, the list of supplementary research articles, and the homework assignments will be posted on **Canvas**.

This course utilizes traditional face-to-face lecture, group and individual activities, and student presentations during class meetings at Lowry. Online assignments, quizzes and group discussions will take place using Canvas.

Coursework and Grading Coursework will consist of required readings in the text, homework assignments some of which will require the use of a computer, one exam given Online, participation in group discussions, and a final group project. The homework assignments will consist of exercises using real and/or simulated data to provide experience in performing statistical calculations to enhance your understanding of statistical concepts and procedures. They will include some problems that must be completed as part of your course grade. Your final course grade will depend on your course score based on the following components with their respective weights:

<i>Discussion/Group Participation</i> (4 x 25 pts each) 100 pts	20%
<i>Midterm Online Exam</i> covers everything up to and including Feb 5th Chapters (1- 5) 100 pts	20%
<i>Final Group Project (Research proposal)</i> covers chapters 1 – 14, 175 pts	35%
<i>Homework.</i> There will be some homework assignments to enhance your understanding of statistical concepts, and professional articles (5 x 25 pts each) 125	25%

Your assignments should be uploaded into Canvas in a word or pdf format. For the instruction see Canvas.

Grade Distribution: Letter grades will be determined based on the following table:

Grading Scale	
94% and above	A
90-93%	A-
86 - 89%	B+
83 - 85%	B
82- 80%	B-
76- 79%	C+
70-75%	C
79 - 70	C
69%	C-
68 - 60 %	D
59 or Below	F

Homework Assignment: There will be five homework assignments and they will be posted and submitted in the assignment section in Canvas.

Exams/Projects The midterm will be on-line. It will be posted on the assessment section of Canvas. The final exam will be a group research proposal assignment due the last day of class June 4th.

Class Activities	Due Date	Duration	Chapter/s
Module 1			
Homework Assignment #1	Monday, Jan.29th		1-2
Group Discussions I	Tues. Jan 30th -		1-2 and Assigned Article
Saturday Online	Wed. Jan. 31st		
Homework Assignment #2	Thurs, Feb. 1st		3,4,and 5 Assigned Article
Group Discussions II Online	Fri. 2nd – Sat. Feb 3rd		3- 5
Midterm (Online)	Sunday, Feb. 4th	2 hours (Open 8 AM-Midnight)	1 - 5
Module 2			
Homework Assignment #3	Friday, Feb 9th,	In Class	6 -7
Homework Assignment #4	Saturday, Feb 10th,	In Class	8 - 9

Group Discussions III	Saturday, Feb 10th, In Class	8 and 9 Assigned Article
Module 3 Homework Assignment #5	Sunday, Feb. 11th, In Class	10 - 14
Group Discussions IV	Sunday, Feb. 11th, In Class	10 and 14 Assigned Article
Final Research Proposal	Group Presentations	1-14

Course Policies

- Homework assignments must be submitted at the due dates. Late homework will not be accepted.
- Makeup exams must be approved before the time of the exam and will be given only in case of medical or family emergencies.

Regulations and Facilities

- **Academic Integrity:** The University of Northern Colorado's Student Code of Conduct ([http://www.unco.edu/dos/communityStandards/student code conduct/](http://www.unco.edu/dos/communityStandards/student%20code%20conduct/)) strictly prohibit any form of academic misconduct. All incidents of alleged plagiarism or other forms of academic dishonesty will be investigated and violations of academic integrity will result in a consequence that may be as severe as an F in the class and a recommendation for expulsion.
- **Accommodations Statement:** Students who believe that they may need accommodations in this class are encouraged to contact the Disability Support Services, voice/TTY (970)351-2289, or fax (970) 351-4166, or visit www.unco.edu/dss as soon as possible to ensure that accommodations are implemented in a timely fashion.
- **Diversity 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 and staff within CEBS will be accepting of differences and demonstrate diligence in understanding how other peoples perspectives, behaviors, and world views may be different from their own. Furthermore, as stated by UNC, "The University will not engage in unlawful discrimination in educational services against any person because of race, religion, gender, age, national origin, disability, or veteran status. It is the University's policy to prohibit discrimination in educational services on the basis of sexual orientation or political affiliation." (See [http://www.unco.edu/hr/AAEO TitleIX.htm](http://www.unco.edu/hr/AAEO%20TitleIX.htm)).

Please visit the CEBS Diversity and Equity Committee website for more information on our commitment to diversity (<http://www.unco.edu/cebs/diversity>).

The Map

- Class components, syllabus, notes, assignments, exams, discussion forums, and grades are accessed through a software package called Canvas, and you will need to log into Canvas using your UNC user name and password.
- To access to Canvas you need to login into the following homepage <https://www.unco.edu/canvas>. Use your UNC user name and password to log into Canvas, then click on the “SRM 600” link. You will see navigation buttons on the left taking you to the different locations.
- Office hours will be scheduled as needed individually.
- Lecture notes will be posted for each of the assigned chapters. Students will be able to access the lecture notes at their convenience.
- You will also need to find your group discussion board where you will work in small groups for the discussion activities and for your final research proposal.

- If you experience problems accessing Canvas, you should contact help desk on 970-351-help.
- You need to know how to work with Online exams with different question types.
- All communication from your instructor will go to your UNC bear email address (unless you have changed this before).
- If you use a filter on your email account, you are responsible for ensuring that it does not prevent you from receiving messages from me, within Canvas or UNC email account. We recommend that you use your UNC email account rather than other email systems for this course. I send many announcements and updates to your bear mail account.
- Please include “SRM 600 ” in the subject line of your email.
- There will be four discussion forums (2 in Canvas and 2 in class) in which you can communicate with other students in the course. I encourage students to share information and ideas, but not their work.
- It is extremely important for you to save copies of any work you send to your instructor via email. It is your responsibility to maintain copies of your sent emails, as there is no way to guarantee that any email message will be delivered.

Tentative Class Schedule

Assignment	Date	Chapter(s)	Additional Readings by
#1	Due Mon. Jan. 29th	1 & 2 & pp 622 -632	Jemmott
#2	Due Thur. Feb. 1st	3-4 5	Kim & Hodges Davis
Mid-Term Online Exam	Sun.Feb. 4th	Midterm Exam Over Chapters 1 - 5	2 hours online Exam Open 8:00 AM to Midnight
#3	Friday Feb 9th	6 - 7	In Class
#4	Due Saturday Feb 10th	8- 9	Zemore & Ajzan
#5	Due Sun. Feb 11th	10-14	Patrick, B., Hisley, J, & Kempler,
<p>Four Discussions follow Assignments #1 & #2 on-line and Assignments #4 & 5 in class. On-line discussions occur from during the week following the assignment due date. Students should discuss any aspect of the assignment they choose to expand and share their learning. Please see the rubric provided for full points .</p>			
Sun. 2/11	Sun. 2/11	Group Research Proposal	The final project is comprehensive and covers chapters 1 – 14