

Applied Research Methods: MLS 5303
Spring 2023 Online Course
Master of Leadership Studies
University of Texas at El Paso

Course Syllabus

Instructor: E. Natalia Strobach Oronoz, Ph.D.
Office Hours: by appointment
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I. Course description

This course will deal with understanding the fundamental principles that guide scientific research. We will cover topics ranging from understanding and properly citing research articles, to scientific design and implementation. By the end of our course, you will be able to digest complex scientific literature to draw conclusions. The ultimate goal of this course is to enable you to become a skeptic, informed consumer of scientific information.

II. Objectives

By the end of this course, you will be able to

- Read and understand the scientific literature
- Understand and explain major concepts relating to experimental design
- Talk substantively about research methodologies, findings, and applications

III. Student responsibilities

- Read Assigned Material
- Keep track of deadlines
- Communicate promptly if you experience issues

IV. Required Texts

Bhattacharjee, Anol

Social Science Research: Principles, Methods, and Practices

Available free online at: http://scholarcommons.usf.edu/oa_textbooks/3/

Johnson, Steven

The Ghost Map: The Story of London's Most Terrifying Epidemic- and How it Changed Science, Cities, and the Modern World

Huff, Darrell

How to Lie with Statistics

V. **Grade Dissemination**

Grades will be posted on blackboard, you can make an appointment to go over grading or assignments.

VI. **Policies**

Late work: There are no make-ups for blackboard assignments. I will only accept late work in case of *documented* emergencies or university sanctioned activities. If you have a documented emergency, or were participating in a university-sanctioned activity, you have *48-hours* to notify me.

Absence policy: Since this course is completely online, I expect you to manage and budget your time appropriately to meet the weekly assignment submission deadline which occurs every Sunday at 11:59pm. If you have a documented emergency, I expect you to communicate with me ahead of time so we can make alternative plans.

Email: Please feel free to email me with questions regarding online assignments. This course is completely online and this means that we should be able to communicate continuously over email. Please do not hesitate to ask questions by email. I normally answer emails 8:00a.m.-8:00p.m. MST.

Disability Access: If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Student Support Services (CASS) at (915) 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.

Academic conduct: Academic dishonesty is prohibited and is considered a violation of the UTEP handbook of operating procedures. It includes, but is not limited to, cheating, plagiarism, and collusion. Any violation will be taken seriously and reported to the Dean of Students for disciplinary action.

VII. **Grading**

Chapter Quizzes 25%

How to Lie with Statistics Discussions 25%

Ghost Map Assignments 25%

Final Paper 25%