

Applied Research Methods: MLS 5303
Fall 2023 R 5:00-7:50pm
Master of Leadership Studies
University of Texas at El Paso

Course Syllabus

Instructor: E. Natalia Strobach Oronoz, Ph.D.
Office Hours: by appointment
Email: enstrobach@utep.edu

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: We will meet weekly for this course; however this course is hybrid. This means that you will have both material that you are expected to be prepared for in class, as well as material that is due online. Your attendance is imperative to your success, as well as your ability to manage your time to turn in your assignments. 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 the lectures or online assignments. 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%

