

HONORS 4100: U-RISE Seminar Section M01– Section Introduction to Research, Ethics and Professional Development

FALL Semester 2024

INSTRUCTORS: Dr. Graciela A. Unguez	Dr. Merranda Marin	Dr. Laura Rodriguez-Uribe
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OFFICE HOURS: By appointment for both Drs. Marin and Unguez

COURSE TIME: Tuesday 4:20-5:50pm

LOCATION: Foster Hall Room **146**

PRE-REQUISITES: None

LEARNING OBJECTIVES: Students will learn to:

- *Clarify* their scientific values, interests, strengths and skills.
- *Discuss and detail* the graduate admission process and requirements to obtain an advanced degree.
- *Cultivate* a professional network among student peers and faculty at NMSU.
- *Articulate (communicate)* their scientific knowledge and research skills to a wide range of community audiences (through written and oral presentations – “data blitzes”, “elevator pitches”, email and social media outlets).
- *Represent* themselves effectively to prospective graduate programs (through written documents, online presence, and skillful oral communication).
- *Identify and research* a wide variety of summer research internships and graduate programs.
- *Navigate and plan* for scientific and professional opportunities at a national meeting.
- *Build a* strong foundation in research ethics
- *Foster a* scientific identity
- *Develop* professional competencies

WHAT SHOULD INSTRUCTORS AND CLASSMATES EXPECT FROM YOU?

Preparation: Complete all assigned readings prior to class meetings and bring all assigned materials and homework to class for discussion.

Courtesy and respect: Interact with instructors and classmates in a professional, courteous manner. Be on time, respect everyone’s input, refrain from having noisy background during our virtual meetings.

Time on task: This is a graded course. Attendance is required as well as submission of assigned homework on a timely manner.

Curiosity: Ask questions whenever something is not clear to you, or you want to know more about it!

WHY IS ATTENDING THE WEEKLY SEMINAR REQUIRED?

- Each meeting will provide each of you with a unique experience in strengthening your preparation and enculturation to the world of STEM in academia and optimize your success in being accepted into a pre-doctorate program and/or a summer research internship in 2025.
- Each meeting will be led by an NMSU faculty or external guest speaker who will provide information and experiential learning to students that would otherwise be unavailable.

ATTENDANCE

Attendance is mandatory. Missing more than **ONE** class will result in your grade being lowered one letter grade. If an emergency arises where you are unable to attend a seminar (i.e., a death in the family, extreme illness, or university sponsored event), you are required to inform Drs. Marin and Unguez **before** the seminar explaining why you are unable to attend either by phone, text or email. Excused absences will require documentation. Joining the meeting late is very disruptive to the guest speaker. Joining more than 10 minutes late will count as an absence.

CLASS PARTICIPATION

Class participation includes being active and involved by asking thoughtful questions of guest speakers, volunteering insightful comments during class discussions, completing assignments and contributing to activities. Class participation provides the opportunity to practice speaking and persuasive skills, as well as the ability to listen. You are expected to participate. You will be required to meet at least once per semester with our speakers, whether it is meeting individually or in a small group.

GRADING

Students will receive 1 Honors credit for successfully completing this class. Student's grade for the course will be based on the following: attendance, in-class participation, homework assignments, oral and written presentations and final portfolio submission on the last week of class.

STUDENTS INFORMATION

Please visit https://syllabus.nmsu.edu/student_resources_policy for university policies and student services, including Discrimination and Disability Accommodation, academic misconduct, student services, final exam schedule, grading policies and more.

ACADEMIC AND NON-ACADEMIC MISCONDUCT

The Student Code of Conduct defines academic misconduct, non-academic misconduct and the consequences or penalties for each. The Student Code of Conduct is available in the NMSU Student Handbook online:

<http://studenthandbook.nmsu.edu/>







Academic misconduct is explained here:

<http://studenthandbook.nmsu.edu/student-code-of-conduct/academic-misconduct/>

NO CELL PHONE USE ALLOWED DURING CLASS TIME

TENTATIVE SCHEDULE (*Note: The instructors reserve the right to make announced changes to the schedule)

DATE	TOPIC
Aug 27	<p>Topics: 1) Pre-assessment survey (Dr. Rachel Boren) 2) Update on RCR requirements, IDP, and Research Videos (Scholars) 3) Setting Priorities and Developing Effective and Strategic Planning (Scholars develop plan of goals to achieve by end of Fall semester in class) 5) Professional Portfolio (Drs. Marin & Unguez) 6) Maintaining Communication Drs. Marin & Unguez)</p> <p>Co-Directors: Drs. Marin and Unguez; PM: Laura Rodriguez-Uribe; Evaluator: Dr. Rachel Boren</p>
Sept 3	<p>Topic: <i>Impact of doing research on student learning, affective attitudes, thinking skills, and academic achievement</i></p> <p>GUEST SPEAKERS: Drs. Dominic Simon and Maria Castillo</p>
Sept 10	<p>Topic: <i>“Scientific mindset: embracing the joy of being wrong”</i></p> <p>GUEST SPEAKERS: Drs. Brian Gold and Elba Serrano</p>
Sept 17	<p>Topics: <i>“RCR: The problem with Reproducibility”</i></p> <p>GUEST SPEAKER: Drs. Unguez and Marin</p>
Sept 24	<p>Topic: <i>How to select and apply for summer research internship programs</i></p> <p>GUEST SPEAKER: Dr. Nancy Street (UC San Francisco)</p>
Oct 1	<p>Topic: <i>“Data Blitzes” and Research Videos</i></p> <p>GUEST SPEAKERS: U-RISE Scholars give a 3-min research progress & show their videos</p>
Oct 8	<p>Topic: <i>“How communication skills and their importance have evolved in the scientific community”</i></p> <p>GUEST SPEAKERS: Drs. Cathy Brewer and Kathy Hanley</p>
Oct 15	<p>Topic: <i>“Data Blitzes” and Research Videos</i></p> <p>Students present</p>
Oct 22	<p>Topic: <i>“Summer research internships: How to select and How to Apply?” AND “What’s a “strong” letter of recommendation and how do I get one?”</i></p> <p>GUEST SPEAKERS: Dr. Marin and Unguez</p>
Oct 29	<p>Topic: <i>Cooperative Extension Services: Opportunities</i></p> <p>GUEST SPEAKERS: Dr. Alan Malone</p>
Nov 5	<p>Topic: <i>“Nurturing Myself: Mind, Body, & Spirit”</i></p> <p>GUEST SPEAKERS: Dr. Marin and Crystal Palafox</p>
Nov 12	<p>Topics: Writing a CV and Cover Letter</p> <p>GUEST SPEAKERS: Student Success Center</p>
Nov 19	<p>Topics: Hands-on Data Analysis, Interpretation, and Communication of Results</p> <p>GUEST SPEAKERS: TBD</p>

<p>Nov 26</p>	<p>    NO CLASS MEETING (THANKSGIVING WEEK OFF)    </p>
<p>Dec 3</p>	<p> Topic: Summer Internship Presentations by NMSU Alumni GUEST SPEAKERS: TBD </p>
<p>Dec 10</p>	<p> Topic: Your gains, challenges, and input GUESTS: Drs. Marin, Unguez and Rachel Boren </p>