

**WILMINGTON UNIVERSITY
DOCTOR OF EDUCATION
COURSE SYLLABUS**

FACULTY MEMBER: **TERM:**

E-MAIL: **PHONE:**

Zoom Room:

COURSE NUMBER: HEL 8200

COURSE TITLE: Applied Methods of Research & Design

COURSE RESOURCES:

1. Sage Research Methods (Wilmington University Library)
2. AERA
3. Various Research Studies

I. COURSE DESCRIPTION:

This course is designed to engage students in relevant educational research and design theory and methods with an emphasis on the application of these methods in the professional contexts of students. Students will gain experience consuming, interpreting, and critiquing peer-reviewed quantitative, qualitative, and mixed methods academic research studies. Students will also practice using several basic data analysis methods to become familiar with the underlying logic and processes involved in developing, reporting, and analyzing research results.

In addition to reading and interpreting research and practicing research methods, students will continue to develop research writing skills relative to their research interests. This includes developing a sound research proposal, selecting articles as appropriate, and writing a methodology section.

II. COURSE OBJECTIVES:

In HEL 8200, students will:

- develop a conceptual understanding of research methods
- read and analyze assigned academic research studies
- discuss and debate research study results with colleagues
- select and review research

Original: 2018-MD
Updated: January 2019

- conduct basic data analysis techniques
- explore various research methodologies and techniques
- select a research case and develop a basic research rationale
- identify appropriate research methodology to address basic research questions
- create a research proposal

III. METHODOLOGY –

The course will employ a mix of lecture, synchronous and asynchronous group discussions, readings, exercises, and writing activities to support student progress towards course objectives. The instructor reserves the right to initiative alternative activities for each class session to adapt and support student achievement of course objectives.

IV. STUDENT EVALUATION

It is possible to earn a maximum of 100% for HEL 8200. Each assignment will be graded out of 100%. The graded assignments for Disciplined Inquiry I with



Incomplete: This grade is given if a student is unable to complete course requirements for reasons that are beyond the student's control. Incomplete grades are never given for unsatisfactory performance. An Incomplete grade requires the agreement and approval of the instructor. Incomplete grades automatically change to F on the 60th calendar day following the last day of the class, if course requirements have not been met by that time or if the instructor has not approved an extension. There is a one-year time limit for grade changes by instructors.

V. ATTENDANCE POLICY:

Wilmington University Policy:

Regular and prompt class attendance is an essential part of the educational experience. Wilmington University expects students to exercise good judgment regarding attendance. Students accept full responsibility for ensuring that work does not suffer from absences. *All students are expected to attend every scheduled meeting of each class on time.* Exceptions may be made for Wilmington University-sponsored or work-related activities, illness, or valid emergencies. For this course, online attendance constitutes participating in all weekly discussions and submitting assignments within the weekly timeframe.

Doctor of Education Policy:

In the Doctor of Education program, faculty must approve all requests for exceptions to the College policy. Faculty must be contacted prior to class in all cases except valid emergencies. Failure to obtain approval for exceptions may result in lowering the final passing grade or assigning a FA (failure due to absence). In the case of online, any late work or lack of participation in the discussion forum must be excused with the instructor **PRIOR** to the occurrence other than cases of a documented emergency.

VI. STUDENTS WITH SPECIAL NEEDS:

Wilmington University actively supports the rights of students with disabilities to have equal access to education. Such students need to self identify by contacting the Office of

Week 1 Activities:

Introduction to Research Methods – Lecture/Discussion

Data Analysis Discussion – Central Tendency

Resources: Central Tendency Overview Summary (Sage Research Methods)

Data Analysis Practice – Central Tendency

Week 2 Activities:

Reviewing Research Studies – A Primer and Opportunity for Practice

Data Analysis Discussion – Variability

Data Analysis Practice – Variability

Week 3 Activities:

Reviewing Research Studies – Discussion of Your Selected Study

Data Analysis Discussion –

Data Analysis Practice –

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Ethics in Research – Human Subjects Protocol and Other Considerations

Data Analysis Practice – Planning to Evaluate Your Own Data

Week 7 Activities:

Review of Research Proposal Process

Next Steps in the Research Process (programmatically)

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*Doctor of Education
Innovation and Leadership*