COLLEGE of EDUCATION
PIEDMONT UNIVERSITY

EDUC 6699 Methods and Interpretation of Educational Research

College

College of Education

Section

OLS01

Term

2023SP

Class Time & Place

Online with Zoom Meetings Tuesdays (Jan 10, 24; Feb 7, 28; Mar 14, 28; Apr 11, 25)

Campus

Online

Course Description

The purpose of this course is to study current research methods, theories, procedures, and designs with an emphasis on critical thinking, assessment, ethics, and professional application. Included in this course will be the evaluation and interpretation of current research methods. The focus of this course is the development of the skills needed to both evaluate existing research and consider applications for professional practice.

Credits

3

Instructor

Dr. Christopher W. Faucett

Email Address

cfaucett@piedmont.edu

Office

NA (Online)

Phone

770-789-7553

Office Hours

Mondays 3:30-4:30 via Phone or Zoom (Please contact me prior to attending)

Textbooks and Class materials

TEXT AND SUPPLEMENTARY READINGS:

Access to:

American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7th ed.).Washington, D. C.: Author.

*Other course texts are provided online or located by the student as part of course assignments.

Student Learning Outcomes

Upon successful completion of this course, the candidate will:

1. Demonstrate the knowledge and skills to conduct educational research by (CLO 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 21, 22)
    1. Identifying research problems from current school settings
    2. Identifying and evaluating current research literature related to a research problem
    3. Formulating research questions
    4. Developing a research design
    5. Collecting and analyzing data
    6. Defining basic research terminology
    7. Interpreting results of educational research
    8. Identifying research variables
    9. Demonstrating a working knowledge of the research concepts of validity and reliability
2. Demonstrate the knowledge and skills needed to read educational research by (CLO 2, 4, 5, 6, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22)
    1. Evaluating current educational research and determining the quality of research methodology and results
    2. Considering the results to current school settings
3. Demonstrate the knowledge and skills to use educational research by (CLO 2, 4, 5, 6, 7, 8, 9, 11, 13, 14, 15, 17, 22)
    1. Applying appropriate research in order to improve educational practice
    2. Exhibiting an awareness of current educational trends
4. Demonstrate the knowledge and skills to report educational research by (CLO 2, 4, 5, 6, 9, 10, 11, 13, 14, 15, 17, 22)
    1. Utilizing the basic components of a research proposal
    2. Applying the APA style to writing a research proposal
    3. Defining appropriate audiences for research findings
    4. Selecting effective means to present findings to an audience defining effective ways to distribute findings to the educational community

Educational Technology Requirements

Online/Hybrid

Minimum technology requirements for online and hybrid courses may be found at the following URL: https://www.piedmont.edu/academics/technology-requirements/.

Active, weekly participation is required as a minimum standard to register attendance in an online or hybrid course. Logging onto a course, in the absence of active participation, is not sufficient to register attendance.

Grading Scale

To promote fair and consistent assessments, the following grading guidelines will be applied on the total points:

A	100%	to	90%
B	less than 90%	to	80%
C	less than 80%	to	70%
D	less than 70%	to	60%
F	less than 60%	to	0

Grading System

Grading System: (Out of 1000 points)

Module Discussions (12 x 12.5pts)= 150pts

Scholarly Article Critiques (2 x 50pts)= 100pts

Module Assignments= (3)= 250pts

Module Activities=100pts

Midterm: Annotated Bibliography= 150pts

Final: Research Proposal= 200pts

Course Outline/Schedule

Course Outline

Module	What's Due
Module One- Foundations of Research Thinking 01/09-01/15 **Zoom Meeting 01/10 @ 5:00 PM**	Module One Discussion: Mapping Your Education Interests Module One Activity: Research & Writing Support
Module Two- Developing a Research Topic 01/16-01/22	Module Two Discussion: Exploring Research Topics
Module Three- Developing Research Questions 01/23-01/29 **Zoom Meeting 01/24 @ 5:00 PM**	Module Three Discussion: Refining Your Potential Research Topics Module Three Assignment: Scholarly Article Critique #1
Module Four- Writing the Introduction 01/30-02/05	Module Four Discussion: Anatomy of an Introduction
Module Five- Writing the Rationale 02/06-02/12 **Zoom Meeting 02/07 @ 5:00 PM**	Module Five Discussion: Rational Rationales Module Five Assignment: Research Proposal Introduction
Module Six- Researching Your Topic 02/13-02/19	Module Six Discussion- Share an Interesting Article Module Six Assignment: 15 Scholarly Sources
Module Seven- Developing an Annotated Bibliography 02/20-02/26	Module Seven Discussion: Biggest Challenge Module Seven Midterm: Annotated Bibliography
Module Eight- Institutional Review Boards 02/27-03/05 **Zoom Meeting 02/28 @ 5:00 PM** **Piedmont University Spring Break 03/06-03/12**	Module Eight Discussion: Historical Research Abuses Module Eight Activity: IRB Training
Module Nine- Continuing the Research 03/13-03/19 **Zoom Meeting 03/14 @ 5:00 PM**	Module Nine Discussion: Share an Interesting Article Module Nine Assignment: Annotated Bibliography Revision
Module Ten- Crafting the Literature Review 03/20-03/26	Module Ten Discussion: Topical Headings Organization

Module Eleven- Literature Review Draft 03/27-04/02 **Zoom Meeting 03/28 @ 5:00 PM**	Module Eleven Discussion: Preventing Burnout Module Eleven Assignment: Literature Review Rough Draft
Module Twelve- Putting It All Together 04/03-04/09	Module Twelve Discussion: TBD
Module Thirteen- The Peer Review Process 04/10-04/16 **Zoom Meeting 04/11 @ 5:00 PM**	Module Thirteen Discussion: Offering Peer Support Module Thirteen Activity: Peer Reviews
Module Fourteen- Proposal Preparations 04/17-04/23	Module Fourteen Discussion: Death by PowerPoint
Module Fifteen- Final Research Proposal 04/24-04/29 **Zoom Meeting 04/25 @ 5:00 PM** **ALL ASSIGNMENTS DUE BY 11:59 PM 04/29**	Module Fifteen Discussion: Final Research Presentation Module Fifteen Assignment: Final Research Proposal

Piedmont Policies

Non-Discrimination Policy: It is the policy of Piedmont University not to discriminate in its educational programs, activities, or employment on the basis of sex, gender identity, sexual orientation, physical or mental disability, pregnancy, race, age, religion, color, national or ethnic origin, veteran status, genetic information, or any other category protected by applicable federal, state, or local law.

Piedmont University adheres to the federal definition of a credit hour as an amount of work represented in intended learning outcomes and verified by evidence of student achievement. For the purposes of this definition, an instructional hour equates to direct instruction of 750 minutes for each credit hour awarded. The standard expectation for direct instruction classes is that students will spend a minimum of two hours outside the classroom for each hour spent in class, which is, 1500 minutes per credit hour awarded. Courses that are offered on a schedule other than the full 15-week semester contain the same number of hours as if the course were scheduled for a full semester. No reduction in direct instruction time or work time outside of class is permitted for courses offered in accelerated terms.

The Learning Center exists to help our students reach their various academic goals. The Learning Center offers academic support in all areas, including accounting, foreign languages, math, science, writing, and more. All tutors have excelled in the subjects that they help support and tutors are trained in the art of tutoring. Tutoring sessions and athletes in the Study Hall are monitored to provide the individualized attention our students need to achieve their personal best. We offer support by appointment in Starfish and walk-in availability is provided on a first come first served basis. For more information, please contact Oliver Howington ohowington@piedmont.edu or call 706-778-8500, ext. 1176 or visit: https://www.piedmont.edu/learning-center.

Piedmont University strives to make learning experiences accessible to all participants and will provide reasonable accommodations for students with disabilities. If you experience difficulties, based on the impact of a disability or health condition, please contact the **O**ffice of **A**ccessibility, **R**esources, and **S**ervices (OARS) to initiate a conversation with our Director of Compliance, Equity, and Inclusion, Courtney Snow, about your options. Please know that accommodations are not retroactive, so avoid any delays. Contact Courtney Snow. at csnow@piedmont.edu or 706-778-8500, ext. 1504, or visit Daniel 303 Suite D. To request accommodations (*academic, dietary, housing, or emotional support animals*) please click the link below and use your Piedmont email and password: https://piedmont-accommodate.symplicity.com/public_accommodation/. If you are already receiving accommodations and need to update your memo or information, please click the link below and use your Piedmont email and password: https://piedmont-accommodate.symplicity.com/students

Statement on Academic Integrity: Students must be familiar with the university academic integrity policy. Plagiarism and other violations of this policy will not be tolerated. Instructors must send any academic integrity concerns directly to the dean who is responsible for the discipline in which the course is taught. See catalog at https://piedmont.smartcatalogiq.com/ for complete policy.

Directives on Completion of Student Work: Course activities designated as quizzes, tests and exams are always to be completed by a student individually and without assistance from other people or resources UNLESS permission for collaboration or the use of external resources is explicitly permitted by the course professor(s). Hence all quizzes, tests and exams are to be considered closed-book/closed-notes and closed-internet (e.g., Google searches). Artificial intelligence apps are also banned on quizzes, tests and exams unless explicitly permitted by the course professor(s).

Student Email Policy: All Piedmont University students are required to use their Piedmont Lions email account (see Catalog at https://piedmont.smartcatalogiq.com/ for complete policy). Since the Lions account is an official communications channel of the university, students are responsible for all information distributed to them through their account. Students are expected to check it daily.

Withdrawal Policy: Within the first several days of a term, students may add and drop courses with the permission of their advisor. The ranges for drop/add vary depending on the term (Fall, Spring, or Summer) and duration of the class (8 week or 15 week). Students should check the academic calendar for specific information. After this time, students may withdraw from a class. Please refer to the university catalog at https://piedmont.smartcatalogiq.com/ for the particulars regarding the withdrawal policy.

Excused Absence Policy: Student absences for university-sanctioned events are generally considered excused absences because they are supportive of the university program. However, there are exceptions to the policy as noted in the University catalog. When absences are excused, instructors must allow students to make up any work that has been missed. Students are responsible for notifying their instructors, in advance, about absences from class due to participation in university-sanctioned events. See full policy in the University catalog at https://piedmont.smartcatalogiq.com/.

Starfish®*:* We Care About Your Success! We have partnered with Starfish Retention Solution, creating a platform for communication and resources focused on supporting your efforts throughout your educational journey. During the semester you may receive emails or texts from Starfish® regarding your course grades or academic performance. Please pay attention to these communications and consider taking the recommended actions. They are sent to help you be successful. In addition, your instructor may: (1) request that you schedule an appointment by going to Starfish, or (2) recommend that you contact a specific campus resource, such as tutoring or counseling. You may also be contacted directly by one of these services. You can quickly connect to many resources using Starfish. We hope you will choose to use the tool to support your success. You may access Starfish at https://piedmont.starfishsolutions.com/starfish-ops/support/login.html?tenantId=9379.

Piedmont University Library is dedicated to the success of our on- and off-campus students. The Library's website (https://library.piedmont.edu/home) offers the fastest, simplest solution to finding the authoritative sources you need: journal citations and full-text articles, access to books and eBooks, study guides, encyclopedias, streaming video, and more. Overwhelmed? Need help navigating? No problem: speedy assistance is available via chat or email with the Ask a Librarian service.