SEMESTER: Fall 2017
COLLEGE: School of Health and Sports Science
DEPARTMENT: Kinesiology
FACULTY: Dr. Melissa Thomas, Ed.D, ATC
          Weaver 214 C
          Phone: 251-442-2324
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          Office hours: Monday 1:00-3
                                      Tuesday 10:00-11:00 and 12-
                                      Wednesday 1:30-3:00
                                      Thursday 10:00-2
COURSE: KIN 421 Research in Kinesiology
CREDIT: 3 SEMESTER HOURS
DEFINITION OF CREDIT HOUR:
One credit hour is equivalent to fifteen hours of faculty instruction and a minimum of thirty
hours of student reading and work on other assignments in addition to class time. Online classes
involve equivalent amounts of time for instruction and coursework.
PREREQUISITE (if any): MA 211.
COURSE DESCRIPTION:
This course acquaints the student with the various types of research in the areas of physical
education, exercise science, and sports. Special emphasis will be placed on experimental
research and the creation of a written proposal document – Chapters I, II, III.
COURSE OBJECTIVES:

CAATE Competencies assigned to KIN 421 in Appendix I

After taking this course, the student will be expected to demonstrate knowledge of:

1. Measurement-related issues including validity, reliability, norms, bias, scoring concerns, and ethical uses of tests and test results.
2. The essentials of writing a research document for studying research methods in health, physical education, exercise science, and recreation.
3. Proper research methodology to write a sound research proposal for conducting research in the future.
4. Properly finding research documents in their field of study.
5. Properly reading and creating a literature review specific to their topic of study.
6. The research process and the importance of properly interpreting and critiquing past research.
7. The scientific method as the logical basis for the foundation of the research design.

SPECIFIC COMPETENCIES:

Students will be expected to:

1. State the primary purpose of research.
2. Explain and identify the various parts of a research proposal.
3. Define the scientific method and explain each step.
4. Explain how fact, theory, and principle are interrelated.
5. Explain the concept of cause and effect, as it relates to research.
6. Define, and describe concepts of internal and external validity, reliability, and objectivity.
7. Define and give an example of an independent and a dependent variable.
8. Explain the major concerns for ethical treatment of research subjects.
9. Discuss the issues of informed consent, confidentiality, privacy, safe and competent treatment protocols.
10. Identify and explain results regarding research data.
11. Discuss and explain the importance of reviewing literature before writing a proposal.
12. Identify, define, and explain why researchers should read primary rather than secondary references.
13. Explain how the results chapter and discussion chapter are written.
14. Show how references are cited in a research document, and utilize accepted formats to deal with references (such as APA style).
15. Define plagiarism and explain how to properly utilize past research documents.
16. Explain how research writing (scientific writing) is different from other writing styles.
17. Discuss, identify, and explain various statistics utilized in research.
18. Identify data and explain results from basic statistics.
19. Describe what populations and samples are.
20. Discuss the various sampling procedures utilized in research.
21. Explain the various steps in creating an instrument for acquiring data.
22. Compare and contrast qualitative and quantitative research.
23. Perform various basic statistical operations based upon the research methods utilized in a study.
24. Identify, define, and explain basic statistical concepts.
25. Explain the concept of statistical significance.
26. Describe the importance of proper interpretation of research findings within current reviews of literature.

TEXTBOOK(S) AND OTHER MATERIALS:


** Access to umportal.umobile.edu and Canvas

** Access to ramsmail

REQUIRED ACTIVITIES:

1. Each student will demonstrate a working knowledge of the scientific methods protocols and create a research proposal document.
2. Each student is required to attend ALL classes as this will constitute a percentage of your overall grade.
3. Attendance to class and class participation are encouraged.
4. All students must present a Research Topic by the second week. – Topics will be Approved by Professor.
5. Each Student is required to complete five (10) Annotated Bibliographies (ABs) – Based upon Primary References.
6. Final Research Document & Presentation – Students are required to complete Chapters I, II, & III of Research Proposal
7. Defense of Proposal- Presentation and Powerpoint

FINAL RESEARCH DOCUMENT & PRESENTATION:

All Three (3) Chapters - Chapter I, II, & III with Ten (10) Primary References + PPTs:

1. Chapter I – Introduction
2. Chapter II – Review of Literature
3. Chapter III - Methodology

PARTICIPATION:

Students must come prepared for the lecture and be prepared to explain concepts to the class.
EVALUATION:

Chapter 1 submittal 100 points
Chapter 2 submittal 100 points
Chapter 3 submittal 100 points
Midterm exam 100 points
Homework 50 points
Powerpoint Presentation 50 points
Defense Presentation 100 points

ATTENDANCE POLICY:

Attendance is counted as nearly 15% of your total grade in this class. The student is expected to attend every class. Excuses are only accepted for travel for UM sponsored events or with a physician’s excuse.

DROP DATE:

The last day courses may be dropped without the “F” penalty is November 7, 2017

ADA STATEMENT:

It is the policy of the University of Mobile to provide reasonable accommodations for persons with disabilities as defined in Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Eligibility for services requires prior documentation of the disability. The Academic Advisor and the Disability Services Coordinator, Mrs. Julia Lucy, coordinate support services for students with disabilities and are accommodation resources for faculty and administration.

ONLINE COURSE SITE:

A course site for this section can be found in MyUM on the Academic tab, either under My Courses or in Canvas. Faculty members may assign online tests that require identification verification measures. These measures may require additional fees. In order to comply with the Higher Education Act, which requires verification of student identity in online work, all online coursework submitted to the faculty member must be completed by secure login and passcode or sent from the student’s official University E-MAIL ACCOUNT.

TUTORING AND WRITING ASSISTANCE:

Tutoring and Writing Assistance:

Tutoring in a variety of areas and writing assistance are available free of charge to UM students through both UM’s Student Success Center (on-campus peer tutoring service) and Tutor.com (Links to an external site.) (online tutoring service). Students may schedule tutoring appointments by contacting the Center located in the Adams
Building (251.442.2377), and may access Tutor.com (Links to an external site.) through their MyUM course websites.

COURSE OUTLINE:

Located on MYUM

FINAL EXAM SCHEDULING:

Students are expected to take the final exam on the schedule exam date. Students enrolled in face to face classes need to make all travel arrangements to accommodate the date of the final exam. The final exam should not be given early. The scheduled date for KIN activity classes will have be the last meeting date prior to the final exam week.

OTHER:

Students will be required to adhere to the academic integrity policy and the dress code, which can be found in the Student Handbook. Please practice common courtesy by silencing and storing away cell phones during class periods.

COURSE TIMES

Monday and Wednesday  12-1:20 pm