



## **HHPK 519-01W RESEARCH METHODS IN HUMAN PERFORMANCE**

COURSE SYLLABUS: SUMMER II 2024

### **INSTRUCTOR INFORMATION**

**Instructor:** Dr. Vipa Bernhardt  
**Office Location:** NHS 165D  
**Office Hours:** By appointment  
**Email Address:** Vipa.Bernhardt@tamuc.edu

### **COURSE INFORMATION**

#### **Course Description**

This course is the study of research methods and designs appropriate for proposing, conducting, reading, reporting, and critiquing research in exercise science/human performance. A major emphasis will be on conducting a meta-analysis of research literature and preparing the first three chapters of a research proposal.

#### **Student Learning Outcomes**

Upon successful completion of this course, you will be able to

1. Analyze the strengths and weaknesses of published research, providing information on possible researcher biases, and positive and negative investigative techniques/methodology (including validity, reliability, and data analysis).
2. Critically examine methods and data analysis with specific regard to the conclusions drawn by investigators.
3. Analyze and use citation/reference formatting.
4. Design a basic research proposal, including an introduction, literature review, hypothesis/research question(s), methodology, and comprehensive bibliography.
5. Create a professional virtual presentation containing the information in the research proposal.

*The syllabus/schedule are subject to change.*

# COURSE REQUIREMENTS

## Required Materials

### Required Textbook:

None.

### Recommended Items:

APA style formatting: APA Manual 7<sup>th</sup> edition or <https://owl.purdue.edu/owl/>

A reference manager software, such as Endnote Web, Zotero, or Mendelay.

## Minimal Technical Skills Needed

Student should be proficient in navigating the online learning platform D2L, using computer software (Microsoft Word and Powerpoint, Adobe Acrobat), and using the TAMUC library.

## Instructional Methods

All activities in this course are designed to support the student in developing skills in analyzing different research designs and to develop their own research proposal. Content delivery will include individual meetings with the instructor, videos, websites, worksheets, templates, etc. The specific content to be covered will depend on the student's needs according to their chosen research topic.

## Student Responsibilities or Tips for Success in the Course

Searching for literature and scientific writing are skill that take time and effort. Start the process as soon as possible. The draft outline and lit review plan assignments are there to organize your proposal content and your thoughts. Time management will be critical, especially in the shorter summer semester. Start the process early and keep track of your time.

## GRADING

1. Research Questions and Hypotheses	10%
2. Research Proposal Draft Outline	5%
3. Annotated Bibliography	20%
4. Literature Review Plan (100 pts)	10%
5. Research Proposal	35%
a. Abstract (50 pts)	
b. Introduction (100 pts)	
c. Review of the Literature (100 pts)	
d. Methods (100 pts)	
6. Proposal Presentation (200 pts)	20%
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Total (1,000 pts)	100%

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Final grades in this course will be based on the following scale:

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

## **Assessments**

### **Research Questions and Hypotheses**

Based on your chosen research topic, develop 2-5 research questions along with your hypothesis for each. Aligns with SLO #4.

### **Research Proposal Draft Outline**

In bullet points, write down how you want your proposal to flow from subtopic to subtopic. Include all main ideas, what you (think you) know about the topic, what is unknown, and what you would test in your research. Aligns with SLO #4.

### **Annotated Bibliography**

Conduct a comprehensive literature review (20-50 articles from the last 20 years). The annotated bibliography will help to organize your articles and themes to write the literature review. Reference must follow APA format; use a reference manager! Aligns with SLOs #1, 2, 3, 4.

### **Literature Review Plan**

Using the template provided, organize your literature review themes, including the research articles that go along with each theme, and a summary statement. Aligns with SLOs #1, 2, 3, 4.

### **Research Proposal**

You will develop 5 sections for the research proposal: Abstract, Introduction, Review of Literature, Methods, and References using TAMUC's thesis template. Aligns with SLOs # 3, 4.

### **Proposal Presentation**

You will create and video record a professional virtual presentation of your research proposal. Aligns with SLOs # 5.

## **TECHNOLOGY REQUIREMENTS**

### **LMS**

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements.

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LMS Requirements: <https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

[https://documentation.brightspace.com/EN/brightspace/requirements/all/browser\\_support.htm](https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm)

## ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or [helpdesk@tamuc.edu](mailto:helpdesk@tamuc.edu).

**Note:** Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, a coffee shop, a TAMUC campus open computer lab, etc.

## COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your instructors. The best way to reach us is via email. In most cases, we will reply within 1 business days.

### Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here: <https://community.brightspace.com/support/s/contactsupport>

### Counseling Center

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling [903-886-5145](tel:903-886-5145). For more information regarding Counseling Center events and confidential services, please visit [www.tamuc.edu/counsel](http://www.tamuc.edu/counsel).

## COURSE AND UNIVERSITY PROCEDURES/POLICIES

### Course Specific Procedures/Policies

Due dates: The "due dates" listed for sections are the LAST chance to submit them. Please submit your work early.

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## **Syllabus Change Policy**

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance via D2L and/or email.

## **University Specific Procedures**

### **Student Conduct**

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#).

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

### **TAMUC Attendance**

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

### **Academic Integrity**

Texas A&M University-Commerce acknowledges that there are legitimate uses of Artificial Intelligence, ChatBots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course.

Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).

In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used an AI, in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources.

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

<https://inside.tamuc.edu/academics/graduateschool/faculty/GraduateStudentAcademicDishonestyForm.pdf>

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## **Students with Disabilities-- ADA Statement**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

### **Office of Student Disability Resources and Services**

Texas A&M University-Commerce

Gee Library- Room 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: [studentdisabilityservices@tamuc.edu](mailto:studentdisabilityservices@tamuc.edu)

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

## **Nondiscrimination Notice**

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

## **Campus Concealed Carry Statement**

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

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## TENTATIVE COURSE OUTLINE

<b>Assignment</b>	<b>Due Date</b>
Thesis topic, research questions and hypotheses	July 11
Research proposal draft outline	July 14
Annotated bibliography	July 18
Research proposal - Introduction	July 21
Literature review plan	July 24
Research proposal – Review of the Literature	July 28
Research proposal – Method of Procedure	Aug 1
Research proposal – Abstract	Aug 4
Complete research proposal	Aug 4
Proposal presentation	Aug 8

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