



A&M  
COMMERCE

DEPARTMENT OF HEALTH & HUMAN PERFORMANCE  
COURSE SYLLABUS  
FALL 2020

**A&M-Commerce requires the use of face-coverings in all instructional and research classrooms/laboratories. Exceptions may be made by faculty where warranted. Faculty have management over their classrooms. Students not using face-coverings can be required to leave class. Repetitive refusal to comply can be reported to the Office of Students' Rights and Responsibilities as a violation of the student Code of Conduct.**

**Students should not attend class when ill or after exposure to anyone with a communicable illness. Communicate such instances directly with your instructor. Faculty will work to support the student getting access to missed content or completing missed assignments.**

**HHPK 519  
RESEARCH METHODS IN HUMAN PERFORMANCE**

COURSE VALUE: Three (3) credit hours  
COURSE LOCATION: Online  
PROFESSOR: Dr Samantha Roberts  
OFFICE: Nursing & Health Sciences Building, NHS 146  
OFFICE HOURS: Online by appointment (on Zoom)  
PHONE: (903) 886-5549  
EMAIL: [Samantha.Roberts@tamuc.edu](mailto:Samantha.Roberts@tamuc.edu)

REQUIRED TEXT: Baumgartner, T.A. & Hensley, L.D. (2012). *Conducting and Reading Research in Kinesiology*. 5<sup>th</sup> edition. Boston: McGraw-Hill

OPTIONAL TEXT: American Psychological Association (2019). *Publication Manual of the American Psychological Association*. 7<sup>th</sup> edition. Washington, DC: American Psychological Association

Supplementary materials will be provided in d2l.

### **Course Description**

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

### **Course Objectives**

At the end of this course, the students will be able to:

1. Compare and contrast different research designs typically used in Health & Human Performance disciplines
2. Critique 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)
3. Critically examine methods and data analysis with specific regard to the conclusions drawn by investigators
4. Analyze and use APA formatting

5. Design a basic research proposal in APA format, including an introduction, literature review, hypothesis/research question(s), methodology, and comprehensive bibliography
6. Create a professional PowerPoint presentation containing the information in the research proposal

### Course Requirements

Please note that all assignments **must be typed, a 1-inch margin on all sides, double-spaced in 12-point font (in Arial, Cambria, Calibri or Times New Roman only). Please use APA 7th Edition (American Psychological Association).**

Summary of Assignments and Assessments:

Quizzes (10 x 10 points each)	= 100 points
Article critiques (2 @ 50 points each)	= 100 points
Bibliography	= 50 points
Research Proposal Sections	= 450 points
Title Page & Abstract (50)	
Introduction (100)	
Literature Review (150)	
Methodology (150)	
Final Research Proposal	= 200 points
PowerPoint Presentation	= <u>100 points</u>
	<b>1000 points</b>

### Assessment

#### 1. Quizzes (10 x 10 points)

You will take 10 quizzes over material presented in assigned readings (i.e. websites and articles); the chapters of the book; and lectures/class discussions. Each quiz will be timed and must be completed within the assigned time frame. Quiz questions may be multiple choice, true/false, or essay/fill-in-the-blank. The purpose of the quizzes is to ensure that you have the basic knowledge to perform other activities in class such as critiquing published research, analyzing APA formatting, and eventually creating your final project.

#### 2. Article Critiques

You will review two articles using “track changes.” You will comment on everything within the article, including grammar, mechanics, APA formatting, and all sections of the article (abstract, intro, lit review, methods, data analysis, results, conclusions, discussion). Questions to be answered include the following:

1. Introduction: The Problem  
Is the problem clearly stated? What is the purpose of the study? What is (are) the hypothesis(es)? Are the key terms defined? Are the research questions viable?
2. Review of Literature  
Are the cited sources pertinent to the study? Is the review too broad or too narrow? Are the references recent? Is there any evidence of bias?
3. Methodology: Design and Procedures  
What research methodology was used? Was it a replica study or an original study? What measurement tools were used? Was a pilot study conducted? What are the variables? How was sampling performed? (Strengths and weaknesses?)
4. Data Analysis and presentation  
How was data analyzed? Was data qualitative or quantitative? Did findings support the hypothesis(es) (research question(s)) and purpose? Were weaknesses and problems discussed?
5. Results and Discussion

Are the results and conclusions of the study related to the original purpose? Were the implications discussed? Whom will the results and conclusions affect? What recommendations were made at the conclusion?

6. Overall Assessment

What is your overall assessment of the study and the article? Was the article fluent and easy to read? Can the information be used in a practical way? Is there anything you are concerned about in the article? (What about APA formatting?)

**3. Bibliography**

This is the first stage of development of the research proposal. You will choose a topic (approved by the instructor) and perform a comprehensive literature review from the last 20 years. Then, you will put 25 – 50 (depending on the breadth of your topic) of them into a bibliography/reference page in APA format.

**4. Research Proposal Sections**

This is the second stage of development of the research proposal. You will develop FOUR sections for the final research proposal (beside the References section): Title Page and Abstract (50 points), Introduction (including Statement of the Problem, Significance of the Study, Purpose of the Study, and Research Questions)(100 points); Review of Literature (150 points); and Methods (including Subjects, Experimental Procedures, and Data Analysis)(150 points). All sections should be in APA format.

**5. Final Research Proposal (200 points) & Presentation (100 points)**

This is the final stage of development of the research proposal. You will compile all sections of your proposal into one document in APA format. You will also create a professional PowerPoint presentation that you could hypothetically use to present your research proposal to a group of faculty and fellow students.

The following final grading scale will be utilized to determine the final grade based on the average of your course work:

- A = 900 +
- B = 800 – 899
- C = 700 – 799
- D = 600 – 699
- F = under 600

ALL STUDENTS ENROLLED AT THE UNIVERSITY SHALL FOLLOW THE TENETS OF COMMON DECENCY AND ACCEPTABLE BEHAVIOR CONDUCIVE TO A POSITIVE LEARNING ENVIRONMENT. (SEE STUDENT’S GUIDE BOOK.)

STUDENTS REQUESTING ACCOMMODATIONS FOR DISABILITIES MUST GO THROUGH THE ACADEMIC SUPPORT COMMITTEE. FOR MORE INFORMATION, PLEASE CONTACT THE DIRECTOR OF DISABILITY RESOURCES AND SERVICES, GEE LIBRARY, ROOM 132, (903) 886-5835.

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<b>DATE</b>	<b>CHAPTERS</b> (Read & Review)	<b>AREA OF FOCUS</b>	<b>ASSIGNMENTS DUE</b> (by 11.30pm)
08/31 - 09/06		Syllabus Review APA Guidelines Purdue Online Writing Lab: <a href="http://owl.english.purdue.edu/owl/resource/560/01/">http://owl.english.purdue.edu/owl/resource/560/01/</a>	Quiz 1 Due
09/07 - 09/13	1,2	Research Process	Article Critique 1 Due
09/14 - 09/27	3,5	Literature Search Research Plan	Quiz 2 Due Quiz 3 Due Bibliography due
09/28 - 10/11	3 6	Literature Review Ethics (TAMUC Human Subjects Protection TAMUC IRB Procedures and Guidelines for Protection of Human Subjects)	Review of Literature (1 <sup>st</sup> Draft) Due Quiz 4 Due CITI Training Due
10/12 - 10/18	16	Introduction & Abstract	Title Page Due Introduction (1 <sup>st</sup> Draft) Due Quiz 5 Due
10/19 - 10/25	7	Methodology	Methodology (1 <sup>st</sup> Draft Due) Quiz 6 Due
10/26 - 11/01		Results & Discussion	Quiz 7 Due
11/02 - 11/15	4	Reading & Evaluating Research Reports	Article Critique 2 Due Abstract Due Quiz 8 Due
11/16 - 11/22	10,12	Quantitative Research Design	Quiz 9 Due

11/23		<b>Thanksgiving</b>	
11/30		Qualitative & Other Research Designs	Quiz 10 Due <b>Final Research Proposal DUE - 11/30</b> <b>(3<sup>rd</sup> &amp; Final Draft)</b> Presentation Due 12/04

\*Please note that this schedule is tentative and is subject to change. Also, this is NOT all-inclusive (i.e., Homework/Participation). Other assignments might be given throughout the semester, so you MUST check the class announcements and e-mail frequently.

### Communication & Support

The best way to reach me is via email ([Samantha.Roberts@tamuc.edu](mailto:Samantha.Roberts@tamuc.edu)) as I check it frequently. I will aim to reply with 24 hours to your MyLeo email address. Please be courteous and professional in all of your interactions with me and fellow students.

### D2L Brightspace

#### Browser support

D2L is committed to performing key application testing when new browser versions are released. New and updated functionality is also tested against the latest version of supported browsers. However, due to the frequency of some browser releases, D2L cannot guarantee that each browser version will perform as expected. If you encounter any issues with any of the browser versions listed in the tables below, contact D2L Support, who will determine the best course of action for resolution. Reported issues are prioritized by supported browsers and then maintenance browsers.

Supported browsers are the latest or most recent browser versions that are tested against new versions of D2L products. Customers can report problems and receive support for issues. For an optimal experience, D2L recommends using supported browsers with D2L products.

Maintenance browsers are older browser versions that are not tested extensively against new versions of D2L products. Customers can still report problems and receive support for critical issues; however, D2L does not guarantee all issues will be addressed. A maintenance browser becomes officially unsupported after one year. Note the following:

- Ensure that your browser has JavaScript and Cookies enabled.
- For desktop systems, you must have Adobe Flash Player 10.1 or greater.
- The Brightspace Support features are now optimized for production environments when using the Google Chrome browser, Apple Safari browser, Microsoft Edge browser, Microsoft Internet Explorer browser, and Mozilla Firefox browsers.

### Desktop Support

Browser	Supported Browser Version(s)	Maintenance Browser Version(s)
Microsoft® Edge	Latest	N/A
Microsoft® Internet Explorer®	N/A	11
Mozilla® Firefox®	Latest, ESR	N/A
Google® Chrome™	Latest	N/A
Apple® Safari®	Latest	N/A

## Tablet and Mobile Support

Device	Operating System	Browser	Supported Browser Version(s)
Android™	Android 4.4+	Chrome	Latest
Apple	iOS®	Safari, Chrome	The current major version of iOS (the latest minor or <b>point</b> release of that major version) and the previous major version of iOS (the latest minor or <b>point</b> release of that major version). For example, as of June 7, 2017, D2L supports iOS 10.3.2 and iOS 9.3.5, but not iOS 10.2.1, 9.0.2, or any other version. Chrome: Latest version for the iOS browser.
Windows	Windows 10	Edge, Chrome, Firefox	Latest of all browsers, and Firefox ESR.

- You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are:
  - 512 MB of RAM, 1 GB or more preferred
  - Broadband connection required courses are heavily video intensive
  - Video display capable of high-color 16-bit display 1024 x 768 or higher resolution
- **For YouSeeU Sync Meeting sessions 8 Mbps is required.** Additional system requirements found here: <https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements>
- You must have a:
  - Sound card, which is usually integrated into your desktop or laptop computer
  - Speakers or headphones.
  - \*For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam and microphone are required.
- Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at: [JAVA web site http://www.java.com/en/download/manual.jsp](http://www.java.com/en/download/manual.jsp)
- Current anti-virus software must be installed and kept up to date.

Running the browser check will ensure your internet browser is supported.

Pop-ups are allowed.

JavaScript is enabled.

Cookies are enabled.

- You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:
  - [Adobe Reader https://get.adobe.com/reader/](https://get.adobe.com/reader/)
  - [Adobe Flash Player \(version 17 or later\) https://get.adobe.com/flashplayer/](https://get.adobe.com/flashplayer/)
  - [Adobe Shockwave Player https://get.adobe.com/shockwave/](https://get.adobe.com/shockwave/)
  - [Apple Quick Time http://www.apple.com/quicktime/download/](http://www.apple.com/quicktime/download/)

- At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.

### ***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, Starbucks, a TAMUC campus open computer lab, etc.

### ***COMMUNICATION AND SUPPORT***

#### ***Brightspace Support***

#### ***Need Help?***

#### ***Student Support***

If you have any questions or are having difficulties with the course material, please contact your Instructor.

#### ***Technical Support***

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778 or click on the **Live Chat** or click on the words “[click here](#)” to submit an issue via email.



#### ***System Maintenance***

D2L runs monthly updates during the last week of the month, usually on Wednesday. The system should remain up during this time unless otherwise specified in an announcement. You may experience minimal impacts to performance and/or look and feel of the environment.

### **Course & University Procedures/Policies**

#### **Class Participation**

Systematic and timely on-line participation is expected. University policy notes that excused absences include (i) participation in an authorized university activity, (ii) illness verified by a physician, (iii) death in the immediate family, and (iv) verifiable, official court appearance.

#### **Respect Differing Views**

As with all courses, this course deals with ideas. Please be respectful of individuals with ideas and beliefs that differ from your own. If you disagree with someone then ask them why they believe as they do, and then listen to the answer. People can have complex reasoning for what is seen as, on the surface, a simple idea. Only civil and even tempered discussions will be permitted in class.

#### **Academic Honesty**

Plagiarism within an assignment will result in a failing grade for that assignment. I expect all assignments for this course to be original works produced specifically for this course. Work produced, whether in part or in whole, from assignments for other courses will not be accepted for credit.

#### **Late Assignments**

Late assignments will lose one letter grade (10%) per day late. The measurement of days ends at 11:59pm the following day of class. A new day begins at Midnight (12 am) and continues to 11:59 pm.

## **Examination Policy**

Exams are timed but you may use notes.

## **Religious Holidays Policy**

Reasonable accommodation will be given to students who require homework extensions because of religious holidays. However, your best option is to complete the required work early, as this is a fast paced summer course and you will not want to get behind.

## **Dropping the Class**

If you need to adjust your schedule by dropping this course, please follow university procedures to officially drop the class. If you fail to officially drop the class, a failing grade shall be assigned at the end of the course.

Incompletes: Per university policy is granted only for circumstances beyond student's control which prevented the student from attending classes during Finals Week or the preceding three weeks (Policy A 12.07, 1998). The extension cannot exceed one semester. Failure to fulfill plan requirements within the specified time will result in an F.

## **Course Communication**

Course communication will occur through your MyLeo Account. You will need to regularly and systematically review your e-mail on a timely basis.

## **Writing Center**

Students are encouraged to visit the A&M-Commerce Writing Center for writing assistance. Visit the website at: <http://web.tamuc.edu/academics/colleges/humanitiesSocialSciencesArts/departments/literatureLanguages/writingCenter/default.aspx>

## ***University Specific Procedures***

### **Students with Disabilities**

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 132  
Phone (903) 886-5150 or (903) 886-5835; Fax (903) 468-8148  
StudentDisabilityServices@tamuc.edu  
Student Disability Resources & Services

### **Student Conduct**

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See Code of Student Conduct from Student Guide Handbook).

### **Campus Concealed Carry**

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 (<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>) and/or consult your event organizer). 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.