CORE COURSE INFORMATION
HEDU 4300 Introduction to Research and Assessment

Full syllabus will be available on the first day of class

CLASS INFORMATION

This is a 3-credit hour hybrid course. We will use a mixture of in-person meetings as well as online learning.

In-Person

- Monday and Wednesday (See Course Schedule below for specific meeting dates)
- 8:35am-9:25am
- HPER E 206

Online

- Friday
- No meeting time
- You will complete work/assignments on your own

INSTRUCTOR INFORMATION

Instructor:	Julia Franklin, PhD, CHES
Pronouns:	she/her/hers
Department:	Health and Kinesiology
Location:	HPER North, Room 237J
In-person Office Hours:	Monday and Wednesday, 11am-1pm
Virtual Office Hours:	By appointment
Email:	julia.franklin@health.utah.edu

COURSE DESCRIPTION

The purpose of this class is to provide an introduction to assessment instruments, data collection, research design, and statistical analysis. Students will have the opportunity to learn about current research in health education. Fulfills Quantitative Intensive (QI) Requirement.

PRE-REQUISITES

C- or better in WRTG 2010 and MATH 1040 (OR MATH 1070 OR SOC 3112 OR FCS 3210 OR PSY 3000) AND Full Major status in Health Promotion and Education.

REQUIRED MATERIAL

There is no textbook for this class. Materials will be posted on Canvas.

STUDENT LEARNING OUTCOMES

By the end of this course, you will be able to:

- Outline and explain the steps in the research process (i.e., the scientific method).
- Demonstrate the ability to gather data using appropriate data collection methods and measurement instruments; perform basic analytical techniques to analyze that data; interpret the results of the analyses; and draw conclusions based on those results.
- Effectively use SPSS, a statistical software package, to analyze data; specifically, how to calculate descriptive statistics, how to compare group mean scores, and how to determine relationships.
- Critique study findings to discern accurate interpretations and draw logical conclusions. Distinguish
- between ethical and unethical behavior in research.

TEACHING AND LEARNING METHODS

We will use a variety of teaching and learning methods.

- **Study Assignment:** You will be expected to read/review materials on your own prior to class. This is meant to orient you to the topic and set the stage for discussion.
- **Discussion:** Our in-class sessions will focus on summarizing and clarifying what you learned on you own. We will summarize, clarify, and review the main points. We will also use class time for activities that focus on application of concepts and demonstration of understanding.
- **Just-in-Time Teaching:** In an effort to bring your voice into the class, I will often draw from your assignments and discussions when constructing in-class activities.
- **Specifications Grading:** This course does not follow the traditional grading system, which means you will have some choice in your learning experience in this class. This course uses “specifications grading ” for assignments rather than the traditional letter grade or points scale. Based on the letter grade you wish to get in this class, you will have the opportunity to choose which assignments you complete, and how many assignments you complete.

ASSIGNMENTS AND GRADING

Assignments are not graded based on points. Instead, they are graded as Pass/Not Pass. You must complete an assignment at high quality to earn a Pass. You may be asked to revise an assignment in order to earn a Pass. If you submit an assignment that is low quality, it will be marked as Not Pass.

Final grades will be determined using the tables below. There are 4 paths to choose from. Each path has its own set of assignments and is associated with a letter grade. To earn a specific letter grade, you will need to complete the assignments for the associated path and check every box in its column. A box may only be considered checked if the boxes in the lower steps are also checked.

PLEASE NOTE: You must choose from the paths presented here. You are not able to create your own path to get a particular grade. If you do not complete one of these combinations, you will earn a failing grade in the class.

Path 1	Assignments	D	D+
Step 1	Course Management (2)	Pass 2	Pass 2
Step 2	Progress Reports (4)	Pass 3	Pass 4

Path 2	Assignments	C-	C	C+
Step 1	Course Management (2)	Pass 2	Pass 2	Pass 2
Step 2	Progress Reports (4)	Pass 3	Pass 4	Pass 4
Step 3	Online Tests (4)	Pass 2	Pass 3	Pass 4

Path 3	Assignments	B-	B	B+
Step 1	Course Management (2)	Pass 2	Pass 2	Pass 2
Step 2	Progress Reports (4)	Pass 3	Pass 4	Pass 4
Step 3	Online Tests (4)	Pass 2	Pass 3	Pass 4
Step 4	Data Analysis & Interpretation	Pass	Pass	Pass

Path 4	Assignments	A-	A
Step 1	Course Management (2)	Pass 2	Pass 2
Step 2	Progress Reports (4)	Pass 4	Pass 4
Step 3	Online Tests (4)	Pass 4	Pass 4
Step 4	Data Analysis & Interpretation	Pass	Pass
Step 5	Activity (5)	Pass #1 - #4	Pass #1 - #5

ASSIGNMENT OVERVIEW

There will be a variety of assignments in this class. The following is an overview of what to expect; detailed instructions will be discussed in class and/or posted on Canvas. Due dates are listed in the Course Schedule.

Course Management (2): There are two assignments designed to prepare you for this course. There is a Syllabus Review Quiz and a HIPAA Training. Both will be graded as Pass or Not Pass, based on expectations outlined in the instructions for each.

Progress Reports (4): The purpose of these Reports is for you to engage with course material prior to our in-class sessions. These Reports will serve as the basis for our Wednesday in-person class sessions. Progress Reports will be graded as Pass or Not Pass, based on expectations outlined in the instructions for each.

Online Tests (4): The purpose of these Tests is to assess your comprehension of course readings, lectures, and other materials. All Tests will be completed online via Canvas, and will consist of a variety of multiple choice, true/false, and open-ended questions. Each question will be graded on a "pass/fail" basis. The number of "pass" responses will be counted and a percentage will be determined. Each Test will be graded as Pass (for passing at least 85% of the questions), Revise (for passing between 70% and 84.9% of the questions), and Not Pass (passing less than 70% of the questions)

Data Analysis and Interpretation (1): The purpose of this assignment is to assess your ability to to interpret the results from a variety of statistical analyses. This assignment will be graded using the Pass or Not Pass based on expectations outlined in the instructions.

Activities (5): The purpose of these Activities is for you to demonstrate and apply the knowledge you have gained from the course material. These Activities will be started on the days when we meet in person (either Monday or Wednesday). Each activity will build upon the last, therefore, they must be completed in order and in their entirety. They will be graded as Pass or Not Pass, based on expectations outlined in the instructions for each.

COURSE SCHEDULE

The following indicates what topics will be covered and when assignments are due. The schedule is subject to revision based on the needs of our class; any updates will be made available for students through Canvas.

	Module	Meet in person	*On your own	Assignments due (by 5pm)
Aug 21	Course Management	M 8/21: Welcome to class W 8/23: Course intro	F 8/25	F 8/25: HIPAA Training
Aug 28	Module 1: The Scientific Method	W 9/6: Module review M 9/11: Work on Activity #1 W 9/13: Work on Activity #1	M 8/28 W 8/30 F 9/1 F 9/8 F 9/15	M 8/28: Syllabus Review Quiz M 9/4: Progress Report #1 F 9/8: Online Test #1 F 9/15: Activity #1
Sept 18	Module 2: Descriptive research	W 9/27: Module review M 10/2: Work on Activity #2 W 10/4: Work on Activity #2	M 9/18 W 9/20 F 9/22 M 9/25 F 9/29 F 10/6	M 9/25: Progress Report #2 F 9/29: Online Test #2 F 10/6: Activity #2
Oct 9	FALL BREAK			
Oct 16	Module 3: Correlation research	W 10/25: Module review M 10/30: Work on Activity #3 W 11/1: Work on Activity #3	M 10/16 W 10/18 F 10/20 M 10/23 F 10/27 F11/3	M 10/23: Progress Report #3 F 10/27: Online Test #3 F 11/3: Activity #3
Nov 6	Module 4: Experimental research	W 11/15: Module review M 11/21: Work on Activity #4 W 11/23: Work on Activity #4	M 11/6 W 11/8 F 11/10 M 11/13 F 11/17	M 11/13: Progress Report #4 F 11/17: Online Test #4
Nov 27	Module 5: Interpreting Results	M 11/27: Work on Activity #5 W 11/29: Work on Activity #5	F 12/1 M 12/4 W 12/6	F 12/1: Activity #4 Th 12/7: Data Analysis & Interpretatio
Dec 11	Finals Week			F 12/15: Activity #5

**On Your Own* represents the days we are not meeting in person; instead, you should use class time to study the online materials and complete assignments.