

# Syllabus for HWM350

## Research and Statistics for Wellness Managers

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**NOTE:** This syllabus document contains the basic information of this course. The most current syllabus is available in the full course.

### Course Description

This course is designed to familiarize students with research nomenclature, procedures for the design and evaluation of research, and interpretation of statistical analysis in the health field. This course will also provide the tools for critically evaluating the validity of health research.

### Prerequisite(s)

None

### Course Outcomes

Upon completing this course, you will be able to do the following:

- Identify proper health research design.
- Identify proper statistical analysis.
- Be able to interpret results of research in health.

### Course Requirements/Components

This is a summary of different types of activities that you'll find in the course.

#### Readings/Viewings:

Readings for each unit are from Research Methods in Physical Activity. In some lessons, there are links to other outside readings. Check the Readings page in each lesson for your reading assignment.

#### Videos:

Each of the 12 lessons is supported by one or more videos on that topic area. These are intended to bring clarity and other ways of introducing research and statistical concepts. They should all align with the material covered in your textbook. If you find a conflict, please let me know. In the case of quiz accuracy, the textbook trumps the video.

#### Discussions:

Each of the 12 lessons has a discussion and post to another student requirement. For most of these, I will be looking for 2- to 3- paragraph responses in each category. If you take a contrary (opposite or different) position to the

classmate you choose to respond to that's fine. Just respond in a respectful way with your rationale included.

### **Quizzes:**

There are 7 quizzes sprinkled throughout the course (mostly at two-week intervals). The first quiz is a Course Content quiz and is designed to get you familiar with the layout and functionality of the course. Each quiz (beyond the first one) will cover material from the prior 2 lessons. The format will be multiple choice and true-false (10 questions per quiz) with a two-hour timeframe for completion (one attempt only).

### **Final Exam: Survey Evaluation**

The final exam will be similar in form to the quizzes (multiple-choice; true-false) but will have 20 questions total. This exam will be based on a study you will have access to all semester. It will be helpful to you as we go through each lesson to refer to this study to see what types of research and statistics are represented. Depending upon your computer capabilities and your comfort in toggling back and forth from the study to the questions, you may find it easier to print off a copy of the study so it is readily available as you progress through the final exam. You will have a three-hour (one attempt only) timeframe for completion of this test.

## **Grading**

The following grading scale will be used to evaluate all course requirements and to determine your final grade:

<b>Activity</b>	<b>Possible Points</b>
Discussions (12 total)	25 points each (300 points total)
Quizzes (7 total)	10 points each (70 points total)
Final Exam	100 points
Total	470 points
Extra Credit – Ask a classmate (correct responses to a classmate's question) (5 total)	3 points each (15 points total)
Extra Credit – Find a Web Link (12 total)	3 points each (36 total)
Extra Credit (Choice of Term Paper or Interview a Professional)	50 points
Total Extra Credit	101 points

\*\* If you turn in assignments or participate in discussion late during the week, points will be deducted.

### **Grading Scale:**

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A 90-100%

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B 80-89%

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C 70-79%

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D 60-69%

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F At or below 59%