

# Syllabus for HCA 705

## Population Health and Epidemiology

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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 identifies and addresses epidemiology and biostatistics, including study design within a healthcare framework. You will learn techniques for applying these elements to individuals and populations, while addressing critical public health perspectives to improve the health of a community, from the individual to large systems.

### Prerequisite(s)

None

### Course Outcomes

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

- Interpret the broad definition of health and health determinants both at the individual, patient, and at the population level.
- Recognize the principles of epidemiology as a basic science for medical research, evidence-based clinical practice and public health practice.
- Identify the main study designs, methods, statistical inference, and basic methodology terminology in clinical and epidemiology research.
- Interpret the different and complementary nature of individual –based and population-based strategies for prevention.
- Design basic strategies to identify and address health needs and health disparities of a patient population.
- Apply epidemiology/biostatistics for the evaluation of health care quality.
- Analyze the basic features of the U.S. health care and public health systems.

### Course Requirements/Components

#### Quiz

Quizzes for this class will address content from reading assignments indicated for the week in which it is given. Applicable content questions will be applied regarding the literature review as well. Answers for these quizzes will include True/False, Multiple Choice, Short Answer, and Essay. Each quiz will be worth 20 points.

## **Discussion Board**

Discussion for this class allows you to not only address the concepts covered, but to interact with the other students, as well as, the instructor. Discussion will aid in your application of intellect of class material while engaging in appropriate communication techniques, as well as, generate ideas and overall aspects that can be applied to your literature review. A rubric is provided to guide your work. Discussion participation will be worth a total of 15 points.

Full participation in discussion includes:

1. A response to the question or overall concept posted by the instructor. Reasoning for your response must be supported by at least **TWO** valid and reliable resources. Additional support may be given with reference to the text utilized for this class. This portion will be worth 5 points.
2. Read and address the overall concept of another members post. Read their post in its entirety and refer to the resources listed as well in order to better understand their reasoning. Your response must summarize what you learned from your peers post, including additional information obtained from viewing their listed resources and additional resources you may have found as well. This portion is worth 5 points.
3. Indicate one key aspect from this discussion and how you're going to incorporate this into your literature review. This portion is worth 5 points.

## **Literature Review**

A literature review seeks to identify, analyze and summarize the published research literature about a specific topic. The purpose of a literature review is to establish what is currently known about a specific topic and to evaluate the strength of the evidence upon which that knowledge is based. Along with these steps listed below, a rubric will be provided to guide your work and to understand the expectations of the paper.

## **Review Components**

- Choose a topic
- Create/State your Research Question and/or Thesis Statement
- Read and Analyze the Literature
- Write the Literature Review
- First and Second Draft Submission
- Final Submission of Work

## Grading

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

Grade	Percentage Range
A	94% - 100%
A-	92% - 93.99%
B+	89%-91.99%
B	85%-88.99%
B-	83%-85.99%
C+	81%-82.99%
C	75%-80.99%
C-	70%-74.99%
D	65%-69.99%
F	Below 64.99%

Assignment	Points
Quizzes	100
Discussions	75
SR Assignment	30
Literature Review Idea/Thesis Statement Submission	10
Initial List of Literature Review Resources Submission	10
First Draft of Literature Review	25
Second Draft of Literature Review	25
Final List of Resources Submission	20
Final Submission of Literature Review	100
<b>Total Points</b>	<b>395</b>