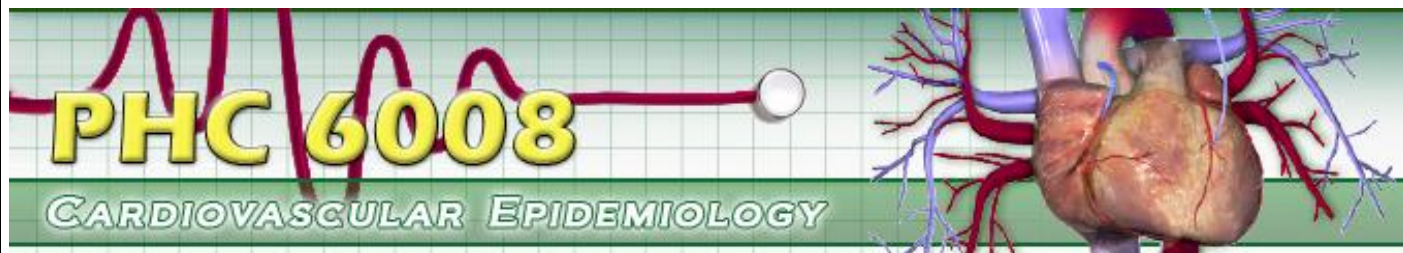


Course at a Glance

Summer 2017



Course Title: Cardiovascular Disease Epidemiology

Course Number: PHC 6008

Dept: EPB **Credits:** 3

Section: 310 **Reference Number:** 57584

For GDM, PHP, IMSPH, ExMPH Sections: please visit Self-Funded Program [website](#) for course reference numbers, registration procedures and deadlines.

Instructor: Dr. Amy Alman

Instructor Email: aalman@health.usf.edu

Course Description:

A review of the major issues in cardio-vascular disease epidemiology, including trends, the extent of the disease nationally and internationally, implications of major epidemiologic studies, and strategies for prevention. Emphasis of the course will be on review and interpretation of the cardiovascular epidemiology literature.

PR: PHC 6756 Population Assessment I or CI.

Format of content presentation, activities and/or instructional methods:

Course is organized into weekly sessions. Sessions may include: readings, lectures, discussions and group work.

Course content organization:

The course structure is broken down into three components:

Content Lectures

Each week the course instructor and/or guest lecturer will provide lectures on the readings and provide their insights and perspectives on the material. Faculty will lecture, but it is strongly encouraged that students prepare comments and questions for the journal discussions (see Class Participation).

Journal Article Reviews

Each session will include a segment devoted to journal article review. These article reviews are designed to help students develop critical review skills in order to interpret published literature.

Class Projects and Presentations

The class will be broken up into 2 groups. The group task will be to research, prepare and record a presentation on a topic in cardiovascular disease epidemiology, similar to a keynote address at a scientific conference.

Textbook and Ordering materials:***Required Text:***

Labarthe, Darwin R. (2011). Epidemiology and Prevention of Cardiovascular Diseases (2nd Edition). Sudbury, MA: Jones and Bartlett Publishers.

How to Order:

HSC Bookstore <http://usfhsc.bkstore.com>.

Other Required Materials:

Additional articles will be posted on the course site.

Course Learning Objectives:

- 1) Discuss the historical evolution of CVD in human societies and its current and predicted impact on public health
- 2) Understand the pathophysiologic mechanisms underlying CVD
- 3) Identify principal mechanisms, personal, and group attributes that influence the distributional patterns of CVD in populations
- 4) Assess quantitative analytic techniques employed in studying the epidemiology of CVD
- 5) Discuss epidemiologic methods commonly used in the study of CVD, their clinical manifestations, and their epidemiology
- 6) Critical review of literature and resources in the field of CVD epidemiology
- 7) Discuss main paradigms underlying epidemiologic and public health-oriented research in CVD epidemiology, for the most prominent morbid conditions, in specific historical and societal contexts

Topics:

1. Natural History of Cardiovascular Disease
2. Epidemiology and Global Burden of Cardiovascular Diseases, Hypertension and the Life Course approach
3. Demographics and Social Factors in CVD
4. Nutrition, Lipids and CVD
5. Physical Activity, Obesity and CVD
6. Diabetes, Metabolic Syndrome, and CVD
7. Tobacco, Alcohol, and CVD
8. Genetics and CVD
9. Strategies for Prevention of CVD

Types of assessments and activities in the course:

Exam: Students will have a midterm exam. The exam is to be completed by the student without any assistance from classmates or other sources. The group project (described below) will count as the final exam for the course.

Article Reviews: Students will provide short-answer responses to questions regarding the assigned article. Responses should convey ideas in a clear manner and demonstrate thoughtful interpretation of the literature as well as comprehension of epidemiological concepts.

Group Project and Presentation: Students will work in groups to complete and present a keynote address to the class. Further guidelines will be distributed during class.

Class Participation: Students' participation in class assignments and projects will be evaluated in terms of the following: (a) apparent thoughtfulness of comments; (b) active engagement in article reviews, projects and presentations; and (c) ability to keep an open mind, even when discussing controversial viewpoints.

Quizzes: Quizzes will be given weekly, starting the second week of class. Format will include multiple choice, true-false, and matching questions. Quizzes are to be individual work and not to be done with others. The quiz must be completed by 11:59 PM Sunday of the week it is assigned. Quizzes will be locked after the due date.

Course Expectations:

Students are expected to actively engage in all course content and projects, assigned readings and related concepts.

Required Dates to be Online:

All assessments for this course will be offered online and are usually open for a set period of time. You are expected to be online during that time to complete the assessments before the due date.

For more information about the Course, Contact:

Dr. Amy Alman aalman@health.usf.edu

Note: For problems accessing the course materials and other computer technical problems, click the **Tech Assistance** button in your course website and fill out a "Technical Problem Report Form". Tech Assistance button links to the Technical Assistance page of the Office of Educational Technology & Assessment website at: <http://health.usf.edu/publichealth/eta/techsupport.html>. Students can also receive assistance via telephone at 813-974-6666, Mon-Fri 8:30am-5pm, or via email at eta@health.usf.edu.

Technology Requirements (e.g. software or hardware):

Visit this website for software requirements and downloads:

http://health.usf.edu/publichealth/eta/students_tech_requirements.htm

Please Note: The information on this document is subject to change. The course instructor has the right to change any information posted in this document. Students should check the official course syllabus released during the first week of classes for any updates to this document.