

Course at a Glance

Spring 2017



Course Title: Computer Applications for the Public Health Researchers

Course Number: PHP 6701

Dept: EPB

Credits: 3

Section: 310 **Reference Number:** 17666

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

Instructor Name: Lakshminarayan Rajaram, Ph.D.

E-mail: lrjaram@health.usf.edu

Course Description:

Course covers essential computer-based techniques for a public health researcher; data entry, editing and management are all covered. SAS is used extensively.

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

Web-based: Access to Canvas will be required to obtain all notes and assignments for the course

Course content organization:

The course is organized into modules. Module information will be posted on Canvas, including required readings, lecture notes, assignments and web links. Lecture Notes will be posted on the Canvas. Video presentations of the lecture notes are also posted on the Canvas

Textbook and Ordering materials:

Required Text:

Applied Statistics and the SAS programming Language, Fifth Edition by Ron Cody and Jeffrey K. Smith.

Recommended Reference Book:

The Little SAS Book: A Primer 4th Ed., Delwiche, Lora D. & Slaughter, Susan

How to Order:

Purchase your textbook at the bookstore or online at [HSC Bookstore website](http://usfhsc.bncollege.com)
(<http://usfhsc.bncollege.com>)

Other Required Materials:

Statistical Analysis Software (SAS)

- All computers in the computer laboratory at the College of Public Health, University of South Florida (USF) do have SAS available to the students.
- Students who have registered for this course may be eligible to purchase the SAS license (student version) from the USF's computer store.

Topics or course learning objectives:

Upon completion of this course, the student will be able to:

- 1) Demonstrate proficiency in the SAS programming skills for data processing and management.
- 2) Demonstrate proficiency in the SAS programming skills to develop programs for statistical analyses of the research data (both descriptive and inferential statistical analyses) relevant to public health.
- 3) Most commonly used statistical methodologies will be demonstrated using SAS

Types of assessments and activities in the course:

1. (6) Homework Assignments
2. (7) Projects
3. 2 Exams (Midterm/Final)

Course Expectations:

Access to Canvas will be required to obtain all course content, resources and assignments for the course. However there are no required dates to be online.

Required Dates to be Online:

The exams for this course will be offered online and are usually open for a period of 24-72 hours. You are expected to be online during that time to complete the exams.

For more information about the Course, Contact:

Instructor Name: Lakshminarayan Rajaram, Ph.D. **E-mail:** lrjaram@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.