

Course at a Glance

Course Title: Intro to Public Health GIS

Course Number: PHC 4140

Dept: PHC

Credits: 3

Traditional Section: 310

Reference Number: 23797

Sponsored Institute Section: 333

Reference Number: 12345

State Employee Section: 333

Reference Number: 12345

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

Power point Presentations and ESRI learning modules

Instructor Name: Semiha I. Ahmedova

Instructor Email: sahmedova@health.usf.edu

Day of Class (this is the day of the week new information is made available):

☐ Monday ☐ Tuesday ☐ Wednesday ☐ Thursday ☐ Friday ☐ Saturday ☐ Sunday

How is the course content organized?

☐ by Session ☒ by Week ☐ by Unit ☐ by Module

Other: Describe here

What is the length of one of your lessons/modules/units?

☐ One Day ☐ 5 Day Work Week ☐ 7 Day Week ☐ 2 Weeks ☐ 3 Weeks ☐ 4 Weeks

How many lessons/modules/units are there in your entire course?

Number: 15

More Details about time/day content is available or about how the content is organized:

Example: All assignments are due on the last day of the week... etc.

Course Description:

PHC 4933 is an introduction course covering the theory and application of geographic information systems (GIS) for public health. The course includes an overview of the principles of GIS in public health and practical experience in its use. The practical component involves the use of desktop GIS software package ArcGIS 10.1. Both the theoretical and practical components of the course are important.

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

The text for this course is "GIS Tutorial for Health" (Fourth Edition) by Kristen S. Kurland and Wilpen L. Gorr. (ISBN 9781589483132, the Environmental Systems Research Inc. (ESRI) Press, June 2012).

Recommended Text (optional):

Also, if you have no experience with ArcGIS software then you might want to purchase "Getting to Know ArcGIS Desktop" by Environmental Systems Research Inc. (ESRI). This book will teach you the basics of the ArcGIS software so you can strengthen your background in ArcGIS 10.

How to Order:

A link will be provided to the HSC bookstore online order form.

Other Required Materials:

ESRI online learning module will be provided on weekly basis whenever there is a need for one.

List the topics covered in your course:

1. Week 1: getting started
- 2 Week 2: Introducing GIS
3. Week 3: Visualizing Geographical Data
4. Week 4: Designing Maps for a Health Study
5. Week 5: Projecting, downloading and using spatial data
6. Week 6: Downloading and preparing spatial and Tabular Data
7. Week 7: Geocoding Tabular Data
8. Week 8: Processing and Analyzing Spatial Data
9. Week 9: Transforming Data using approximate methods
10. Week 10: Using Arc GIS Spatial Analyst for Demand
11. Week 11: GIS Case Studies
12. Week 12: GIS Case Studies
13. Week 13: GIS poster presentations preparation
14. Week 14: Project work
15. Week 15: Project assignment.

What types of assessments and activities are incorporated into your course?

Exams, Term Papers, Assessments in this course will consist of:

1. Lab Assignments: The lab assignments are based on the materials covered each week. The tutorials and assignments are due by weekly and they are listed in the syllabus.
2. Lab Assignment Submission Guidelines: Weekly deliverables will be announced on the blackboard.

2.1. Each deliverables should be in this format. (First number is the chapter number and the second number is the Assignment number within that chapter)

(yourfamilyname)_ Assignment _1_1

e.g.: Ahmedova_Assignment_1_2

2.2. After naming each output with the appropriate format, all the outputs should be placed in a folder named with the same format as above, zipped, and uploaded to Blackboard.

3. Exams: There will be two (2) exams total in this class: one (1) Midterm Exam one (1) Final exam. (All of the lecture materials (.pptx are included).

4. Project: There will be one (1) project in this course. The guideline for the project proposal will be available at the end of the 4th week in the Canvas. Students are encouraged to start to their projects as early as possible.

5. Student Wikipages: Each student will have their own wikispace page. Students are required to send user names at the end of the first class. Then for each student the wikispace will be created and the link will be sent to the student. Students are responsible to update their own wikispaces on weekly basis. The outputs of the lab assignments have to be uploaded to the wikispaces for that particular assignment upon completion of the grading. Students are encouraged to be creative with their own wikispaces.

, etc...

What do you expect out of the students taking your course? [What do they have to do to be successful in your course?]

Students are responsible for accessing the Canvas site for course materials. The course is organized into weekly units.

Required Dates to be online or on campus (if applicable):

(for example: an exam is only available on one day for a 4 hour period)

1. Date: 1/1/05	Between:	Time: 6:00 PM	and	Time: 9:00 PM	Online or On Campus
2. Date: 1/1/05	Between:	Time: 6:00 PM	and	Time: 9:00 PM	Online or On Campus
3. Date: 1/1/05	Between:	Time: 6:00 PM	and	Time: 9:00 PM	Online or On Campus
4. Date: 1/1/05	Between:	Time: 6:00 PM	and	Time: 9:00 PM	Online or On Campus
5. Date: 1/1/05	Between:	Time: 6:00 PM	and	Time: 9:00 PM	Online or On Campus
6. Date: 1/1/05	Between:	Time: 6:00 PM	and	Time: 9:00 PM	Online or On Campus

Who should students contact for more information about your course?

Name: Semiha I. Ahmedova

Contact Info: semiha@mail.usf.edu

Are there any other contacts? If so, please list below

Other Help details...

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):

Are there any specific technology requirements (hardware and software) for your course?

Visit this website for software requirements and downloads:

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

Other technology requirements (hardware and software) specific for this course: (Microsoft Word, Adobe Acrobat Reader, Basic knowledge of Canvas)

Note: These are in addition to the basic technology requirements for all online courses.

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.