

Course at a Glance

Course Title: Biostatistics II																			
Course Number: PHC 6051		Department: EPB																	
Credits: 3																			
Message From the Department: <ul style="list-style-type: none"> • why is the content in this course important • what skills will they gain from this course • how will they be able to apply concepts from this course to their career 																			
Course Description: Simple and multiple linear regression, ANOVA (Analysis of Variance) and ANCOVA (Analysis of Covariance), Model building procedure and diagnostics with applications in health research.																			
Course Objectives: The main objective of this course is to give students a broad understanding of the statistical inference and diagnostics in simple linear regression and multiple regression, as well as exposure to basic ANOVA and ANCOVA. Upon course completion, the student will gain an intrinsic understanding of the statistical concepts relevant to linear regression models. The student will also be able to choose appropriate analysis methods based on the characteristics of the data, build regression model with statistical criteria, and interpret the analysis results.																			
Course Structure: Web-based (in Canvas) with self-paced narrated presentations to review the content in the textbook. Course is organized by unit sessions with new materials available on Monday. There are a total of 10 unit sessions. Exams are given on Friday-Sunday (see the syllabus for details).																			
Types of Assessments: <table border="0"> <tr> <td><input checked="" type="checkbox"/> Quiz/Exam</td> <td><input type="checkbox"/> Web Quest</td> <td><input type="checkbox"/> Journal/Blog</td> <td><input type="checkbox"/> Discussion Board</td> </tr> <tr> <td><input checked="" type="checkbox"/> Written Assignments</td> <td><input type="checkbox"/> Poster Presentation</td> <td><input type="checkbox"/> Individual Project</td> <td><input type="checkbox"/> Individual Presentation</td> </tr> <tr> <td><input type="checkbox"/> Group Project</td> <td><input type="checkbox"/> Group Presentation</td> <td><input type="checkbox"/> Case Study</td> <td><input type="checkbox"/> Research Paper</td> </tr> <tr> <td><input type="checkbox"/> Demonstration/Simulation</td> <td><input checked="" type="checkbox"/> Midterm/Final Exam</td> <td><input type="checkbox"/> Other (specify)</td> <td></td> </tr> </table>				<input checked="" type="checkbox"/> Quiz/Exam	<input type="checkbox"/> Web Quest	<input type="checkbox"/> Journal/Blog	<input type="checkbox"/> Discussion Board	<input checked="" type="checkbox"/> Written Assignments	<input type="checkbox"/> Poster Presentation	<input type="checkbox"/> Individual Project	<input type="checkbox"/> Individual Presentation	<input type="checkbox"/> Group Project	<input type="checkbox"/> Group Presentation	<input type="checkbox"/> Case Study	<input type="checkbox"/> Research Paper	<input type="checkbox"/> Demonstration/Simulation	<input checked="" type="checkbox"/> Midterm/Final Exam	<input type="checkbox"/> Other (specify)	
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Student Expectations: Example: Students are required to log in to Canvas at least twice a week, students should contribute content to the course, students are expected to participate in meaningful discussion, submit assignments on time, contact instructor about special requests ahead of time, etc.																			
Technical Requirements: <i>(in addition to the standard technical requirements for all online courses)</i> <ul style="list-style-type: none"> • Software • Hardware <p>All online courses receive 24-hour support by the Office of Educational Technology and Assessment. Contact the ETA department by using the Tech Assistance link in your course. Students can also receive assistance via telephone at 813-974-6666, Mon-Fri 8:30am – 5pm, or via email at eta@health.usf.edu</p>																			

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 syllabus released during the first week of classes for any updates to this document. For more information on this course or academic programs, please contact the [COPH Department](#) directly.