

**Biostatistics for Health Professionals**  
**CMH 620**  
**4.0 Credit Hours**

**Course Description**

Introduction to the basic principles and applications of statistical methods as they are applied to data arising in the health professions.

**Course Objectives**

By the end of this course, students will be expected to:

- (1) organize and summarize data using descriptive statistical techniques,
- (2) compute confidence intervals and test hypotheses for the most common population parameters,
- (3) perform an analysis of variance and linear regression,
- (4) analyze frequency data,
- (5) understand and critique the statistical component of research arising in the health care professions.

**Prerequisites**

Enrollment in this course requires: 1) Admission to the MPH Program; or 2) permission of the instructor.

**Required Text**

Required texts for this course are covered by student fees and will be given to students in advance of the first class session.

Biostatistics: A Foundation for Analysis in the Health Sciences, 8<sup>th</sup> Edition, 2004, Wayne W. Daniel

Optional text: Intuitive Biostatistics, 1995, Harvey Motulsky

**Grading System**

Students are expected to attend each class meeting session. If a student has a schedule conflict she/he should communicate this to the instructor prior to that class session. Class participation is a key component of this learning experience.

## **Academic Integrity**

All student work is to be completed individually, unless stated otherwise in writing. Absolutely no academic misconduct will be tolerated in this course. Regardless of the type of assignment, students found responsible for violating the WSU Academic Integrity Policy will receive an "F" for the course. All violations will be forwarded to the Office of Judicial Affairs where a university disciplinary file will be created. Information regarding academic misconduct can be found in the Code of Student Conduct located at <http://www.wright.edu/students/judicial/stuintegrity.html> Please contact the instructor during office hours should you have any questions or concerns.