

WESTFIELD STATE UNIVERSITY
Westfield, Massachusetts
Department Mathematics Course Outline

Course: MATH 0108

Instructor: Barry J. Hiney

Prerequisite: Math 0103 or High School Algebra.

Required Materials: 1. Discovering Statistics, Daniel T. Larose, 2ND. Ed. W. H. Freeman)

2. Scientific calculator in class, every class.

Course Objectives: To provide students with the ability to apply statistical concepts and methods. Upon completion of the course the student should have met the following objectives as measured by the indicated assessments.

Objective	Assessed By
1. Recognize, understand, utilize, integrate and communicate mathematical concepts, mathematical methods and logical reasoning;	Exam, Quizzes
2. Apply mathematical concepts, mathematical methods, and mathematical reasoning within an analytic framework;	Exams, Quizzes, Cases
3. Conceptualize and utilize formal mathematical and formal logical reasoning	Exams, Quizzes, Cases
4. Conceptualize and utilize algorithms and formal mathematical structures	

9. Understand the statistical inference cycle from data collection to interpretation of results.

Cases
Exams, Quizzes,
Cases

10. Understand and use hypotheses testing.(z-test, t-test, etc.)

Exams, Quizzes,
Cases

others in the class, chat with classmates, or participate in discussions. I will check mail at Blackboard/Plato on a more frequent basis than on the college e-mail.

General Comment: This is a difficult course and will require a disproportional amount of your time. You are required to have a prior knowledge of algebra, ant to be able to employ that knowledge. You are also expected to know how to use your calculator.