WILMINGTON UNIVERSITY
COLLEGE OF EDUCATION AND LIBERAL ARTS
COURSE OUTLINE & SCHEDULE OF ASSIGNMENTS

COURSE NUMBER	**MAT 308**
COURSE TITLE	**Inferential Statistics**
CREDITS	**3**
PREREQUISITE	**MAT 122 or MAT 205 with minimum grade of C or BSN Candidate**

FACULTY MEMBER

TERM

METHOD OF CONTACT/ OFFICE HOURS

COURSE TIME BREAKDOWN

40 Hours of Structured Learning Activities

TEXTBOOKS
Essential Statistics, 2nd Edition, Navidi & Monk. This course uses ALEKS. Both ALEKS and the e-text are available through Canvas through inclusive access. No other purchase is required.

COURSE DESCRIPTION

This course introduces students to the scientific method of collecting, organizing, and interpreting data in a variety of real-world applications, such as behavioral science, communication, education, healthcare, manufacturing, and natural science. Students will use graphing calculators, along with Excel, to assist in displaying and analyzing data.

COURSE OBJECTIVES

1. Construct confidence intervals for means and proportions.
2. Interpret confidence intervals for means and proportions.
3. Perform hypothesis tests means, proportions, and qualitative data.
4. Interpret hypothesis tests means, proportions, and qualitative data.
5. Construct a least-squares regression model for bivariate data.
6. Interpret predicted values, slopes, and y-intercepts for least-squares regression models.

METHODOLOGY

A. Teaching and Learning Strategies
Homework, Discussion Board/Class Participation

B. Evaluation Methods
Homework, Discussion Board/Class Participation, Projects, and Tests/Scheduled Knowledge Checks (SKC)

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Faculty will generally respond to all student communication within 24-48 hours unless a weekend or holiday. Please refer to your course faculty's specific availability as noted within the course.