Wayne County Community College District

COURSE SYLLABUS

MAT 131   Descriptive Statistics

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:
This course in quantitative Reasoning surveys the way that mathematics is used in business and industry. As our society grows more technologically complex, the ability to interpret and analyze quantitative information has become an increasingly essential skill. The topics in this course are intended to develop analytic reasoning and the ability to solve quantitative problems. Topics include: the construction and interpretation of graphs, spatial visualization and geometry, descriptive statistics, math of business and finance, functions and modeling, probability and logic. Emphasis will be placed on the appropriate use of units and dimensions, estimates, and mathematical notation.

PREREQUISITE*: MAT 113*

EXPECTED COMPETENCIES:
Upon completion of the course, the student will:
- Demonstrate the ability to collect, organize, and interpret data intelligently; to extrapolate or interpolate from that data; and to recognize unsound or misleading statistical procedures when confronted with them.
- Demonstrate an understanding of probability concepts, including the unpredictability of single events and the long-term stability of ratios of events. People must understand the difference between foolish gambling and intelligent risk taking.

ASSESSMENT METHODS:
Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:
90%-100% = A
80%-89.9%= B
70%-79.9%= C
60%-69.9%= D
       <60% = E