Minnesota State University Moorhead

MATH 134: Applied Statistics

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:
This course requires any of these 12 prerequisites
- MATH 099 - Intermediate Algebra
- MATH 127 - College Algebra
- A score of 22 on test ACT Math
- A score of 60 on test Accuplacer Intermediate Algebra
- A score of 60 on test Intermediate Alg Placement Test - CAT
- A score of 50 on test Accuplacer College Level Math
- A score of 520 on test OLD-SAT Math
- A score of 540 on test SAT Math Composite
- A score of 1146 on test MN Comprehensive Assessment Math
- A score of 250 on test Accuplacer NG Advanced Algebra Functions
- A score of 1 on test MMCP Math
- A score of 1 on test Transfer Equivalent to MATH 099

Corequisites: None

MnTC Goals: Goal 04 - Mathematical/Logical Reasoning

Frequency distributions, introduction to probability, normal distribution, central limit theorem, estimation, tests of hypotheses, non-parametric techniques, design of experiments, one-way and two-way analysis of variance, and simple linear regression. MnTC Goal 4

B. COURSE EFFECTIVE DATES: 02/02/2019 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Frequency distributions, introduction to probability, normal distribution, central limit theorem, estimation, tests of hypotheses, non-parametric techniques, design of experiments, one-way and two-way analysis of variance, and simple linear regression

D. LEARNING OUTCOMES (General)

1. Use a variety of statistical methods to analyze data.
2. Understand the requirements of a statistical test, and know when it is applicable.
3. Understand what statistical analyses can and cannot tell the researcher about the data.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

Goal 04 - Mathematical/Logical Reasoning

1. Illustrate historical and contemporary applications of mathematical/logical systems.
2. Clearly express mathematical/logical ideas in writing.
3. Apply higher-order problem-solving and/or modeling strategies.

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted