Minnesota State University Moorhead

MATH 235: Introduction to R

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 1

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

R is statistical software commonly used in many fields. The student will learn to write R programs that access data from multiple sources, generate output, and manipulate different types of R objects, and learn how to handle data structures such as vectors, matrices, data frames and lists, how to analyze data, create visualizations, and write flexible R functions by using different types of control structures.

B. COURSE EFFECTIVE DATES: 02/01/2017 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Student will learn how to use R to handle data structures.
2. Student will use R to create meaningful data visualizations.
3. Student will use R to create reusable functions.
4. Student will use R to perform data analysis.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted