A. Course Description

Credits: 2

Prerequisites: STAT 201 Statistics I

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

This course covers advanced statistical programming techniques in hypothesis testing using the statistical software SPSS and R. Topics of this course include performing T-tests, Z-tests, Chi-square tests, and simple linear regression using SPSS and R. This course builds on the knowledge learned in STAT201 (Statistics I) and STAT251.

B. Course Effective Dates: 08/16/2016 - 08/18/2019 08/19/2019 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Understand the syntax of the statistical programming language R.
2. Conduct hypothesis tests using the statistical programming language R.
3. Generate statistical analysis reports with the correct formats using the statistical programming language R.
4. Explain the output from a statistical analysis generated by the statistical program both orally and in written form.
5. Generate confidence intervals using the statistical programming language R.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Note: First day attendance required except by instructor permission.