

CSC 152 SAS

COURSE DESCRIPTION:

Prerequisites: None

Corequisites: None

This course introduces the fundamentals of SAS programming. Emphasis is placed on learning basic SAS commands and statements for solving a variety of data processing applications. Upon completion, students should be able to use SAS data and procedure steps to create SAS data sets, do statistical analysis, and general customized reports.

Course Hours per Week: Class, 2. Lab, 3. Semester Hours Credit, 3.

LEARNING OUTCOMES:

Upon completing requirements for this course, the student will be able to:

1. Create data sets using Statistical Analysis Software (SAS).
2. Perform statistical analysis using Statistical Analysis Software (SAS).
3. Create customized reports using Statistical Analysis Software (SAS).

OUTLINE OF INSTRUCTION:

- I. Getting Started with SAS
- II. SAS Libraries
- III. DATA and PROC Steps
- IV. Modifying Data
- V. SAS Functions
- VI. Conditional Statements
- VII. Raw Data
- VIII. Informats
- IX. DO, DO WHILE, DO UNTIL
- X. PROC CONTENTS, PROC PRINT, PROC FORMAT
- XI. PROC MEANS
- XII. PROC FREQ
- XIII. PROC REPORT
- XIV. Combining Data Sets and PROC SQL

REQUIRED TEXTBOOK AND MATERIAL:

The textbook and other instructional material will be determined by the instructor.