Course Title: SAS Programming Fundamentals
Instructor: Marty Wertheim
E-mail: marty.the.sas.instructor@gmail.com

Course Description:
• This course is for anyone who wants to learn how to write SAS programs. It is the entry point to
  learning SAS programming and can help prepare you for the SAS Base Programming Exam for SAS 9
certification exam.

Course Prerequisite(s):
• Beginning Programming I, or equivalent experience using another programming language

Course Objectives: Upon completion, you will be able to
• Navigate the SAS Studio® programming environment
• Write simple to moderately complex SAS programs
• Read raw data into SAS (including CSV and Excel files)
• Extract, transform and load data using SAS programming language logic and constructs
• Produce detail and summary reports
• Work with existing datasets, using SET and MERGE
• Work with multiple data sources in a single program
• Export data into CSV and Excel files

Textbook(s):

Next Class Possibilities
• SAS Intermediate Programming: SQL Procedure
• SAS Intermediate Programming: Macro Facility

Instructor Notes:
• Expect to spend at least four hours a week outside of class, working on reading and labs. The
  platform we will use is browser-based, so no special software installation should be required

Lesson Plan – by week or session
• Session 1: Introduction to SAS programming and the SAS Studio Environment
• Session 2: Getting your data into SAS
• Session 3: Working with your data part 1
• Session 4: Working with your data part 2
• Session 5: sorting, printing and summarizing your data
• Session 6: Modifying and combining SAS datasets
• Session 7: Merging and exporting data
• Session 8: More functions, arrays, user formats, application techniques