

# The Output Delivery System in SAS® Software (Basics)

**Duration:** 2 units

**CEUs:** 1.2

## AUDIENCE

This course is designed to show how the Output Delivery System has changed the way information is output in the SAS System. This is designed for everyone who uses SAS Version 8 and higher.

## BENEFITS

Students will be able to:

- ♦ Create SAS data sets with ODS
- ♦ Create listing, RTF, HTML and PDF reports with ODS
- ♦ Use Styles in Proc TABULATE and Proc REPORT

## PREREQUISITES

Programming I: SAS Essentials or equivalent understanding. You should understand the data step and basic procedures in a windows environment and know how to operate a web browser.

## COURSE TOPICS

### ODS Basics

- ♦ Creating ODS output
- ♦ ODS Styles and listing
- ♦ Components of ODS output

### ODS Advanced Topics

- ♦ ODS Trace, Select and Exclude
- ♦ Traffic lighting
- ♦ Styles in Proc Tabulate and Proc Report

### Printing with ODS

- ♦ Labels and listing options
- ♦ Enhancing output
- ♦ Creating postscript files
- ♦ RTF and PDF output

### Web Publishing With ODS

- ♦ HTML output
- ♦ ODS HTML Statement
- ♦ Creating Hyperlinks and setting up URLs
- ♦ Click through

### Graphing with ODS

- ♦ Creating graphs
- ♦ Active X output
- ♦ Java output

### Templating with ODS

- ♦ Titles and footnotes
- ♦ Match\_All option
- ♦ Creating templates for display
- ♦ NOPTITLE options
- ♦ Data \_Null\_ syntax

Software Used: Base SAS and SAS/GRAPH® Software