

ANL351 SAS Programming and its Application

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

ANL351 SAS Programming and its Application introduces the fundamentals of SAS programming. Topics include introducing the various component to the SAS Language, working with SAS and non-SAS datasets, preparing data, summarizing data, producing reports and producing reusable SAS code.

Topics:

- Overview of the SAS Foundation
- Introduction to the SAS Language
- Working with SAS Syntax
- Working with SAS non-SAS datasets
- Validating data in SAS
- Preparing data in SAS
- Processing data iteratively
- Restructuring a dataset in SAS
- Combining datasets in SAS
- Summarizing data in SAS
- Producing summarizing reports in SAS
- Constructing reusable SAS code.

Textbooks:

: SAS Certification Prep Guide: Base Programming for SAS 9 SAS
ISBN-13: 9781642951790

Learning Outcome:

- Explain how the SAS language works.
- Write SAS programs to import SAS and non-SAS datasets.
- Execute data preparation tasks using SAS programs.
- Implement processing of data iteratively using SAS programs.
- Create summary reports in SAS.
- Construct reusable SAS code.

Assessment Strategies (Daytime Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	PRE-COURSE QUIZ 1	2
	PRE-CLASS QUIZ 1	2
	PRE-CLASS QUIZ 2	2
	TUTOR-MARKED ASSIGNMENT 1	18
	PARTICIPATION 1	6
	GROUP BASED ASSIGNMENT 1	20
Overall Examinable Components	Written Exam	50
Total		100