SDM01 SPDM - Structured Program Design Method

Course Description This course provides students with the skills required to design and document programs using the Structured Program Design Method. The schedule allows for many practical exercises covering various problems of progressive complexity

Who Should Attend Programmers or analyst/programmers intending to develop and/or maintain programs in a structured environment.

Pre-Requisites Previous programming knowledge is not necessary, but at least six months practical experience should have been gained in the IT applications environment.

Duration 4 Days

The Structured Design Method

The Program Life cycle
Why SPDM
The steps in SPDM

Why Structured Design ?

SPDM For Consistent Program Design
SPDM For Documentation

Data Structures

Sequence
Selection
Iteration
Null selection

Correspondencies

Identifying Correspondencies

Preliminary Program Structure

Levels
Numbering conventions
Invalid program structures

Conditions

Identifying conditions
Allocating the conditions
Compound conditions

Actions

Identifying actions
Allocating the actions

Final Program Structure

Validating the final program structure

Pseudo Code

Fully nested pseudo code
In-line pseudo code

Collation Techniques

The sequential master file update

Validation Techniques

Error processing
Classification of errors