TR037 Business Systems Testing Fundamentals

Individual Student Cost: **$775**
Enroll in 3 IACP classes and get $300.00 credit for the 4th!
Training Coordinators: Enroll 4 students and the 5th is free!

Duration: 4 days

Audience:

This course is designed for business experts, technical experts, quality assurance specialists, and managers who are responsible for the testing of SDLC deliverables, designing test plans or test cases, and/or who participate in the quality assurance process. It is also designed to be helpful to managers and administrators responsible for designing and maintaining a quality assurance process.

Prerequisites:

The following courses are recommended - Introduction to Business Systems Analysis (TR001), Modeling Essential Business Data (TR012) and Discovering Essential Business Requirements (TR043) or similar experience.

Description:

This course presents an architecture that defines a process to implement a structured testing environment for all phases of the Systems Development Life Cycle (SDLC). It conveys the four techniques of structured testing, and the application of those techniques during the phases of the SDLC. Using risk assessment as a guide for structured testing is emphasized and a risk matrix is presented. The main focus is on the creation of functional and structural test plans, test scripts, and test cases, including the use of break-it testing, complexity testing, and basis path testing. The organization of a testing team and the testing environment is also discussed. Hands-on workshops in a JAD format are used to reinforce concepts.

Objectives:

Upon successful completion of this course, the student should be able to:

- Define the advantages of testing throughout the SDLC.
- Identify the main deliverables to be tested from each phase of the SDLC.
- List and identify the four testing techniques that can be used to test any SDLC deliverable.
- Determine the best testing technique to use on various types of deliverables during each phase of the SDLC.
- Discuss the various SDLC productivity tools that can improve productivity and quality during testing.
- Build control graphs, test plans and test cases for functional and structural testing.
- Conduct or participate in structured walkthroughs.
- Perform successful unit, integration, systems, regression and user acceptance testing.
- Design and administer a high-quality, productive testing environment.

.