Topics/Content/Outline:

Topics include: management perspective on what to test in information technology projects; how to organise and resource a test division; how to plan, manage change and risk and lead a test team.

Expanded outcomes
Outcome 1
• Investigate and analyse testing roles and responsibilities
Outcome 2
• Determine the quality goals • Create Test plans and Implementation plans • Use automated defect management tools
Outcome 3
• Discover and test requirements with use cases • Evaluate business requirements • Write testable requirements and apply requirement–based testing
Outcome 4
• Discuss how testing must be managed as a project in its own right and also as part of the larger project. • Use test planning to identify tasks and approaches needed for successful testing outcomes. • Apply methods for reliably estimating the time, effort, costs, and resources required for testing. • Apply techniques for scheduling testing tasks to reduce risks and optimize resource use. • Determine testing Roles, responsibilities, leadership, direction, and supervision for team member performance. • Apply Change Control

Assessment:

Weighting	Nature of assessment	Learning Outcomes
30%	Assignment – create a business case for a test department	1, 2
40%	Project – create a test tracking database	1,2,3,4
30%	Final examination	2, 3,4

Learning and teaching approaches:

Lectures, tutorials, practical exercises and laboratory work.

Learning resources required:

Textbook: Refer to the current programme booklist.

Student access to the Blackboard system

Learning resources recommended: