



## ISTQB® Software Testing Capstone

### Module 1 — Fundamentals of Testing

- Course Introduction
- Why is Testing Necessary?
- What is Testing?
- General Testing Principles
- Fundamental Test Process
- The Psychology of Testing
- Activity 1 Assignment
- Activity 1 Debrief

### Module 2 — Testing Throughout the Software Lifecycle

- Software Development Models
- Activity 2 Assignment
- Activity 2 Debrief
- Test Levels or Phases
- Test Types or Targets
- Maintenance Testing

### Module 3 — Static Techniques

- Reviews and the Test Process
- Activity 3 Assignment
- Activity 3 Debrief
- Review Process
- Static Analysis by Tools

### Module 4 — Test Design Techniques

- Identifying and Designing Test Cases, Part 1
- Activity 4 Assignment
- Activity 4 Debrief
- Identifying and Designing Test Cases, Part 2
- Categories of Test Design Techniques
- Specification-Based or Black Box Techniques
- Structure-Based or White Box Techniques
- Experience-Based Techniques
- Choosing Test Techniques
- Activity 5 Assignment
- Activity 5 Debrief

### Module 5 — Test Management

- Test Organization
- Test Planning and Estimation, Part 1
- Test Planning and Estimation, Part 2
- Test Progress Monitoring and Control
- Configuration Management
- Risk and Testing
- Bug or Incident Management

Module 6 — Tool Support for Testing

Types of Test Tools

Activity 6 Assignment

Activity 6 Debrief

Effective Use of Tools, Potential Benefits and Risks

Introducing a Tool Into an Organization