



## ISTQB-Certified Tester Foundation Level (CTFL)

Timeline: 2 days

### Course outline:

#### 0. Introduction (~30')

- Testing, ISTQB, CTFL, exam structure

#### 1. Fundamentals of testing (~160')

- Why is testing necessary?
- What is testing?
- General testing principles.
- The fundamental test process.
- The psychology of testing.
- Code of ethics.

#### 2. Testing throughout the software life cycle (~120')

- Software development models.
- Test levels.
- Test types.
- Maintenance testing.

#### 3. Static techniques (~60')

- Static techniques and the test process.
- The review process.
- Static analysis by tools.

#### 4. Test design techniques (~290')

- The test development process.
- Categories of test design techniques.
- Specification-based or black-box techniques.
- Structure-based or white-box techniques.
- Experience-based techniques.
- Choosing test techniques.

#### 5. Test management (~170')

- Test organization.
- Test planning and estimation.
- Test progress monitoring and control.
- Configuration management.
- Risk and testing. Incident management.

#### 6. Tool support for testing (~80')

- Types of test tools.
- Effective use of tools: potential benefits and risks.
- Introducing a tool into an organization.