

# Detailed Syllabus for ISTQB Certified Tester Foundation Level

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## Learning resources:

Video Tutorials: <https://www.youtube.com/playlist?list=PLj5VKaW115t0LT-7DICjHkGuxdTEqFI91>

ISTQB official website: <https://www.istqb.org/>

## 1. Fundamentals of Testing

- **Topics:**
  - Why testing is necessary.
  - Seven testing principles.
  - Test process overview.

## 2. Testing Throughout the Software Development Lifecycle

- **Topics:**
  - Test levels (Unit, Integration, System, Acceptance).
  - Test types (Functional, Non-functional, Maintenance).
  - Testing in different development models (Waterfall, Agile).

## 3. Static Testing

- **Topics:**
  - Static testing techniques (Reviews, Walkthroughs, Inspections).
  - Static analysis by tools.

## 4. Test Design Techniques

- **Topics:**
  - Black-box techniques (Equivalence Partitioning, Boundary Value Analysis).
  - White-box techniques (Statement and Decision Coverage).
  - Experience-based techniques (Exploratory Testing).

## 5. Test Management

- **Topics:**
  - Test organization and independence.
  - Risk-based testing.
  - Test planning, monitoring, and control.
  - Configuration management.

## 6. Tools Support for Testing

- **Topics:**

- Types of test tools (Management, Static, Dynamic, Performance).
- Benefits and risks of tool support.
- Tool selection and implementation.

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This syllabus and video links provide a comprehensive guide to prepare for the ISTQB Certified Tester Foundation Level.