

Syllabus

Principles of software testing

Project life-cycle and testing, agile concepts

Test process life-cycle

Test design techniques:

- Black-box: Equivalence partitioning, Boundary value analysis, Decision tables, Cause-and-effect graphs, State machines, Use-case testing, Combinatorial techniques
- White-box: Statement coverage, decision coverage, path testing
- Experience based: error guessing, exploratory testing, attack testing
- Defect-based testing

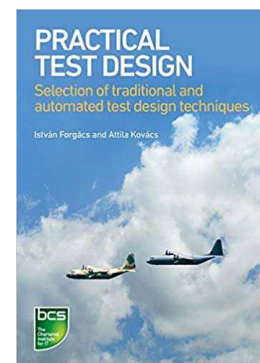
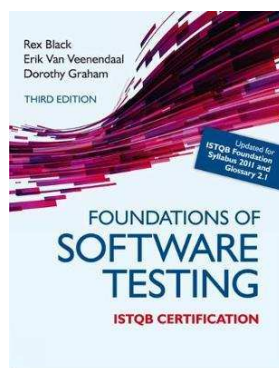
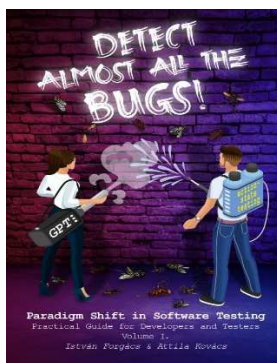
Test documentation, managing the test process

Reviews: Informal and formal reviews

Defect management

Test automation, test tools

Books Recommended



See <https://test-design.org>