

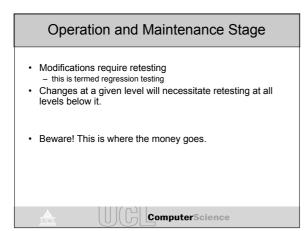
Construction Stage

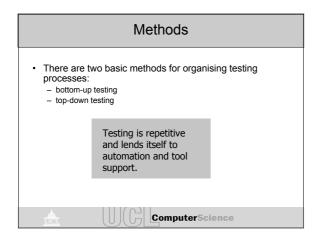
- · actual execution of code with test data
- code walkthrough and inspection
- · static analysis
- · dynamic analysis
- construction of test drivers, harnesses and stubs

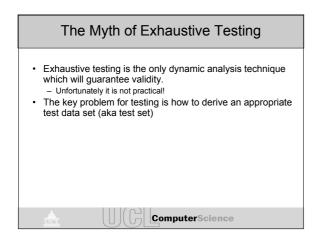


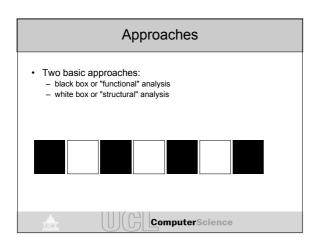
Control and management of test process is critical. All test sets, test results and test reports should be catalogued and stored.

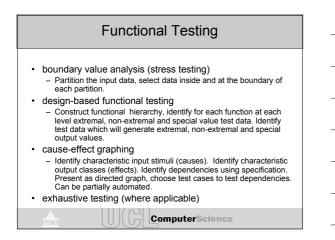
ComputerScience

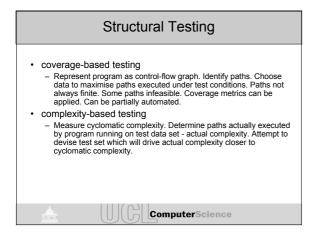


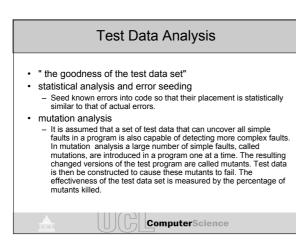


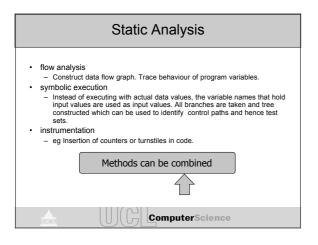




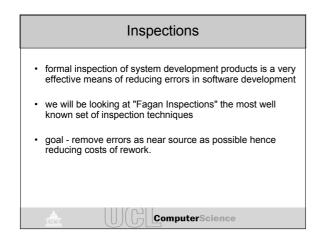


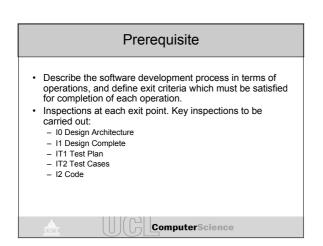


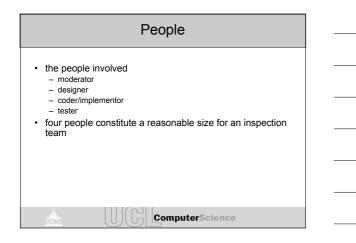


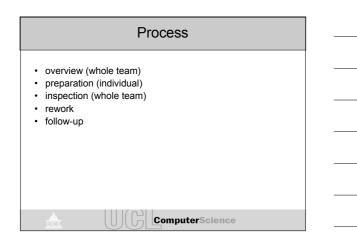








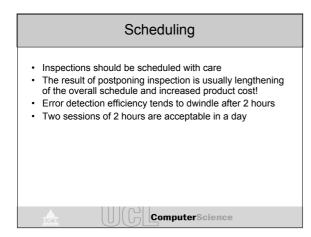


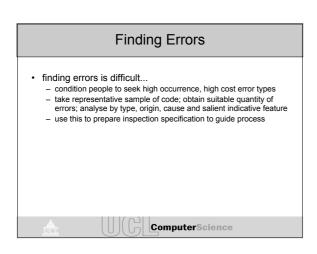


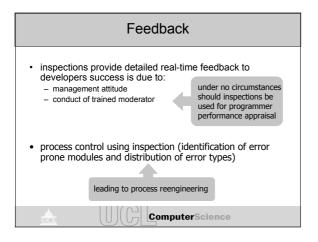
| Steps |
|---|
| steps in inspection reader paraphrases design, describing how it will be implemented questions raised during discourse, only pursued until error recognised error noted (but not solution) and classified by severity written report of inspection prepared important to inspect modified products (reinspection to avoid "bad fix" problem) |
| |

| Rate of Progress | | | | | | |
|------------------|-----------------------|----------------------------|--------------------|-----------------------------|--|--|
| | process operations | rate of progress Design | s (loc/hr) Code | objectives of operation | | |
| | overview | 500 | not required | communication | | |
| | preparation | 100 | 125 | education | | |
| | inspection | 130 | 150 | find errors | | |
| | rework | 20 (hrs/KNCSS) | 16 (hrs/KNCSS) | resolve errors | | |
| | follow-up | - | - | ensure resolution of errors | | |
| | | | | | | |

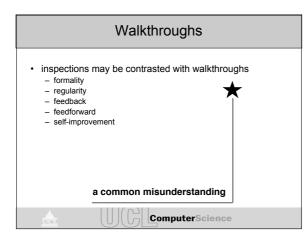


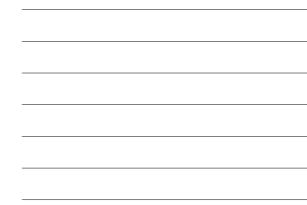


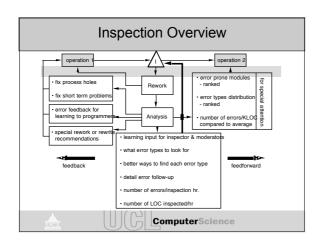














| For Details |
|---|
| Fagan, M.E. (1976); Design and Code Inspections to Reduce Errors in Program Development; IBM Systems Journal; 15, 3, pp 182-211. Fagan, M.E. (1986); Advances in Software Inspections IEEE Transactions on Software Engineering, Vol SE12 No 7, p744, July 1986. |
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