

Title	Software Quality Assurance
Code	CS-474
Credit Hours	3
Category	CS Technical Elective
Prerequisite	CMP-390: Software Engineering
Co-Requisite	None
Follow Up	None
Course Description	Topics: Introduction to Software Quality Assurance; Software Quality in Business Context; QA, QC and QE; Product Quality and Process Quality; Software Quality Measurement and Metrics; Personal Software Process; Walkthroughs and Inspections; Software Configuration Management; Quality System Documentation; Software Testing Techniques; Software Testing Strategies; Automated Testing; Capability Maturity Model; CMM-Integration, People-CMM; ISO; Six Sigma; Testing Tools, Trends and Perspectives.
Text Book/s	Daniel Galin, Software Quality Assurance From theory to implementation, 1 st Edition, Pearson, 2003, ISBN: 0201709457.
Reference	Roger S. Pressman, B. Maxim, Software Engineering: A Practitioners Approach, 8 th Edition, McGraw-Hill, 2014, ISBN: 0078022126.