

Course Title	Software Quality Assurance
Course Code	EI-337
Credit Hours	3
Category	Technical Elective
Prerequisite	CMP-290: Software Engineering
Co-Requisite	None
Follow Up	None
Course Description	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	1. Daniel Galin, Software Quality Assurance From theory to implementation, 1 st Edition, Pearson, 2003, ISBN: 0201709457.
Reference Material	1. Roger S. Pressman, B. Maxim, Software Engineering: A Practitioner's Approach, 8 th Edition, McGraw-Hill, 2014, ISBN: 0078022126.