

<b>Title</b>	<b>Software Quality Assurance</b>
<b>Code</b>	<b>CS-474</b>
<b>Credit Hours</b>	3
<b>Category</b>	CS Technical Elective
<b>Prerequisite</b>	CMP-390: Software Engineering
<b>Co-Requisite</b>	None
<b>Follow Up</b>	None
<b>Course Description</b>	<b>Topics:</b> 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.
<b>Text Book/s</b>	Daniel Galin, Software Quality Assurance From theory to implementation, 1 <sup>st</sup> Edition, Pearson, 2003, ISBN: 0201709457.
<b>Reference</b>	Roger S. Pressman, B. Maxim, Software Engineering: A Practitioners Approach, 8 <sup>th</sup> Edition, McGraw-Hill, 2014, ISBN: 0078022126.