

<b>Module Title:</b>	<b>Software Engineering – Semester 4</b>
<b>Academic year:</b>	2009 – 2010
<b>Credit Value:</b>	5 – Mandatory
<b>Pre- requisites:</b>	Systems Analysis 1 Systems Analysis 2
<b>Assessment:</b>	60% Final Examination, 40% Practical Examination
<b>Aims</b>	<p>This subject aims to provide the learner with the knowledge and skills for effective project management and to enable learners to apply the principles and techniques of best practice in software testing.</p> <p>It will also equip learners with the requisite skills to select appropriate strategies with regard to system maintenance.</p> <p>The importance of software quality assurance throughout the software process will be stressed and the relevant techniques explained.</p>
<b>Module Content</b>	<ul style="list-style-type: none"> <li>• Project Management</li> <li>• Software Testing</li> <li>• System Maintenance</li> <li>• Software Quality Assurance</li> </ul>
<b>Intended Learning Outcomes:</b>	<p><b>Having successfully completed this subject, the student will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Describe the basics of project management and demonstrate competency in the use of a modern project management tool</li> <li>2. Explain the importance of comprehensive system testing, provide simple test scenarios for a use case and design system test plans.</li> <li>3. Identify and explain the different approaches to system maintenance</li> <li>4. Explain the need for the application of software quality assurance</li> </ol>