

Universiti Tunku Abdul Rahman			
Form Title: <b>Teaching Plan</b>			
Form Number : <b>FM-LKCFES-FMC-AC-001</b>	Rev No : 1	Effective Date: <b>07/12/2016</b>	Page No : Page <b>1</b> of <b>4</b>

**Part A:**

1.	Course Code & Course Title:	UECS3383 Software Quality Assurance
2.	Year of Study	Y3 T1/T2/T3
3.	Credit Hour:	3 credits 36 hours lecture: (12 weeks) 12 hours tutorial: (12 weeks)
4.	Lecturer:	Dr. Wong Whee Yen, Winnie
5.	Tutor:	Dr. Wong Whee Yen, Winnie
6.	Year and Trimester:	January 2018
7.	Objectives:	To present concepts, issues, and methods related to software quality assurance and its impact on the software engineering process
8.	Course Outcomes (CO):	Course Outcomes: upon completion of this course, a student shall be able to: 1. Describe the importance and activities of software quality assurance 2. Formulate appropriate software quality assurance approaches for specific software projects 3. Determine effects of various software quality improvement approaches 4. Determine appropriate tools for measuring software quality improvement 5. Apply appropriate tools for measuring or improving the software engineering process
9.	References:	<p><b>Main Text:</b></p> <ol style="list-style-type: none"> <li>Mistrik, I., Soley R., Ali N., Grundy, J. &amp; Tekinerdogan, B. (2015). <i>Software Quality Assurance: In Large Scale and Complex Software – Intensive Systems</i>. MA: Morgan Kaufmann.</li> <li>Fenton, N. &amp; Bieman, J. (2014). <i>Software Metrics: A Rigorous and Practical Approach</i> (3rd ed). Boca Raton: CRC Press.</li> </ol> <p><b>Additional Text:</b></p> <ol style="list-style-type: none"> <li>Chemuturi, M. (2010). <i>Mastering Software Quality Assurance: Best Practices, Tools and Techniques for Software Developers</i>. Pine Island: J. Ross Publishing.</li> <li>Jones, C. &amp; Bonsignour, O. (2011). <i>The Economics of Software Quality</i>. Boston, MA: Addison Wesley.</li> <li>Linz, T. (2014). <i>Testing in Scrum: A Guide for Software Quality Assurance in the Agile World</i>. CA:Rocky Nook.</li> </ol>