Part C: Lecture, Tutorial & Assignment Plan

Wk	Lecture Topic	Tutorial/Practical Topic	Assessments/ Specific Tasks
1	**Topic 1: Introduction to Software Quality Assurance** • Introduction and defining software quality • Benefits and economic value of software quality • Quality objectives	• Tutorial • Assignment / Case Study Discussion	• **Assignment Grouping** • **Distribution of Assignment and Case Study, 16**[th] **Jan 2018** **Specific Tasks: (Assignment)** • Identify components of assignment • Sharing and discussion of Project Quality Plan and Software Quality Plan in the IT industry • Distribution of procedure, guideline, work instruction, standard, SOPs, process, process flow, flow chart etc. of different business unit from UTAR. • Distribution of material on Change Control Management for IT project **Specific Tasks:** • Identify components of case study • Discussion and role play of TM (SQA and non-SQA) from the case study
2	**Topic 1: Introduction to Software Quality Assurance** • Introduction and defining software quality • Benefits and economic value of software quality objectives	• Tutorial • Assignment / Case Study Discussion	
3	**Topic 2: Methodologies for Quality management** • Process improvement models • Corrective Action Procedures Audit Types, Roles and Responsibilities, Audit Process	• Tutorial • Assignment / Case Study Discussion	
4	**Topic 2: Methodologies for Quality management** • Process improvement models • Corrective Action Procedures • Audit Types, Roles and Responsibilities, Audit Process	• Tutorial • Assignment / Case Study Discussion	
5	**Topic 3: Estimating and measuring software quality** • Cost of Quality • Estimating Software Defect • Detection and Defect Removal • Estimating economic impact of high quality and low quality software	• Tutorial • Assignment / Case Study Discussion	**Assignment Submission (Section submission), Tuesday, 13**[th] **Feb 2018**

Wk	Lecture Topic	Tutorial/Practical Topic	Assessments/ Specific Tasks
6	CNY		
7	**Topic 3: Estimating and measuring software quality** • Cost of Quality • Estimating Software Defect • Detection and Defect Removal • Estimating economic impact of high quality and low quality software	• Tutorial • Assignment / Case Study Discussion	
8	**Topic 4: Risk Management** • Risk Management Models • Safety and Hazard Analysis	• Tutorial • Assignment / Case Study Discussion	**Mid Term, 6th March 2018, Lecture Time**
9	**Topic 5: Utilization of metrics** • Basic measurement theory • Quality and Analysis Tools • Software metrics and reporting tools • Process metrics	• Tutorial • Assignment / Case Study Discussion	
10	**Topic 6: Testing, Review and Inspection** • Software testing • Peer Reviews, Walkthroughs • Inspections: roles, process, meeting and follow up	• Tutorial • Assignment / Case Study Discussion	**Case Study submission, Thursday, 20th March 2018**
11	**Topic 6: Testing, Review and Inspection** • Software testing • Peer Reviews, Walkthroughs • Inspections: roles, process, meeting and follow up	• Tutorial • Assignment / Case Study Discussion	
12	**Topic 7: Software Configuration Management** • Configuration management tools and infrastructure • Configuration control and accounting • Configuration Audits	• Tutorial • Assignment / Case Study Discussion	• **Assignment Submission, 3rd April 2018** • **Assignment Presentation, 3rd April 2018**
13	**Revision**	• Tutorial • Assignment / Case Study Discussion	
14	N/A	N/A	

(Please ensure your course teaching plan covers all of the topics as per syllabus)

This Teaching Plan is:

Prepared by: _____ (Name: Dr Wong Whee Yen) Course Coordinator	Moderated by: _____ (Name: Beh Hooi Ching) Moderator	Approved by: _____ (Name: Dr Madhavan) Head of Department
Date: __ Jan 2018_____	Date: ___ Jan 2018_____	Date: _____