

**COURSE INFORMATION**

1.	Name of Course		Information Technology Auditing														
2.	Course Code		TIS3451														
3.	Type of Course (e.g. : Core, major, elective etc.)		Specialization Elective for B.CS (IS) & Elective for BCS(SE) & BCS(GD)														
4.	Synopsis		The course aims to understand the concepts of Information Technology (IT) governance, IT auditing, risks and controls associated to information systems development and maintenance. The main topics covered the overview of IT audit;framework and standard,IT risks and controls. The students will also learn to manage IT function and IT audit related tools.														
5.	Version (State the date of theSenate's approval - previous and the current approval date)		Current: January 2018 Previous: June 2016														
6.	Name(s) of Academic Staff		Tong Gee Kok, Yeoh Eng Thiam														
7.	Semester and Year Offered		Delta Level														
8.	Credit Value		4 credit hours														
9.	Pre-Requisite		TIS3251 Information Systems Planning and Development														
10.	Objective of the course in the programme:		To understand the concepts of Information Technology (IT) governance, IT auditing, risks and controls associated to information systems development and maintenance.														
11.	Justification for including the course in the programme:		To expose students to various information systems controls and auditing techniques.														
12.	Course Learning Outcomes (CLO)		Domain	Level													
	CLO1: Explain the need for information technology auditing in IT organizations.		Cognitive	2													
	CLO2: Differentiate the steps in conducting IT auditing and types of IT auditing.		Cognitive	4													
	CLO3: Formulate appropriate internal controls for IT major threats, based on an IT governance framework.		Cognitive	6													
	CLO4:																
13.	Mapping of the Course Learning Outcomes to the Programme Learning Outcomes, Teaching Methods and Assessment:																
	Course Learning Outcomes (CLO) (Must tally with CLOs in item 12)	Programme Learning Outcomes (PLO)												Teaching Methods	Assessment Method		
		PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12				
		1	2	3	4	5	6	7	8	9	0	1	2				
								✓								Lecture/Tutorial	Tutorial/Test/Final Exam
								✓								Lecture/Tutorial	Tutorial/Test/Final Exam
									✓							Lecture/Tutorial	Tutorial/Assignment/Final Exam

5	IT Audit Related Tools and Fields - Introduction to Computer Assisted Audit Tools and Techniques (CAATS) for productivity and audit support. - IT project audit in project management disciplines that cover basic approaches to IT project audit. - Fraud major studies focusing on IT fraud and cybercrime; corporate and auditors' responsibilities; and computer forensic.	2	6	6				12	24
Total SLT								112	
SUMMATIVE ASSESSMENT									
1. Continuous Assessment			Percentage %				Total SLT		
Tutorial			15%				6		
Assignments			20%				15		
Test			15%				5		
Total SLT for Continuous Assessment							26		
2. Final Assessment			Percentage %				Total SLT		
Final Exam			50%				F2F	ILT	
							2	20	
Total SLT for Final Assessment (F2F + NF2F)							22		
Grand Total			100%				160		
**Indicate the CLO based on the CLO's numbering in Item 12.									
*L= Lecture, *T= Tutorial, *P= Practical, *O= Others, F2F*= Face to Face, NF2F*= Non Face to Face									
16	Identify Special Requirement to Deliver the Course (e.g., software, nursery, computer lab, simulation room): NIL								
17	Main References: Senft, S. & Gallegos F. Information technology control and audit, 4th Ed., CRC Press, 2012.								
18	Additional References: 1. Hunton, J. E., Bryant, S.M. & Bagranoff, N.A. Core Concepts of IT Auditing, Wiley, 2004. 2. Control Objective for Information and Related Technology, Information Systems Audit and Control Association [ISACA], URL <a href="http://www.isaca.org/cobit">http://www.isaca.org/cobit</a> , 2015. 3. Davis, C., Schiller, M. & Wheeler, K. IT Auditing Using Controls to Protect Information Assets, 2nd Edition, McGraw Hill, 2011. 4. Lehtinen, R., Russell, D. & Gangemi, G. T. Computer security basics, 2nd Ed., O'Reilly & Associates, 2006.								

**Note:**

Cells shaded light grey contain formulas / fixed values. Edit these formulas only if needed.