

## COURSE INFORMATION

1.	Name of Course													Information Technology Auditing							
2 .	Course Code												TIS3451								
3 .	Type of Course (e.g. : Core, major, elective etc.)																	for B.CS (IS) & BCS(GD)			
4 .	Synopsis													The o	course rnance lopme frame	aims e, IT a nt and work a	to und uditing maint and sta	derstand the conce g, risks and contro tenance. The mair andard,IT risks an	topics covered the controls. The stu	formation systems	
5 .	Version (State the date of theSenate's app	proval -	- previo	ous and	the cu	rrent a	pprova	I date)						Curre	ent: Ja ous: J	nuary	2018	IT audit related to	DOIS.		
														_							
6 . 7 .	Name(s) of Academic Staff Semester and Year Offered														Level		eoh E	ng Thiam			
8.	Credit Value													4 cre	dit hou	ırs					
9.	Pre-Requisite													TIS32	251 Int	format	ion Sy	rstems Planning a	nd Development		
10 .	Objective of the course in t To understand the concepts	of Info	ormatic	on Tec				nance	, IT au	uditing	, risks	and c	ontro	ols ass	ociate	ed to in	forma	tion systems deve	elopment and main	tenance.	
11 .	Justification for including to To expose students to various							auditin	g tech	nique	S.										
12 .																E	omai	n		Level	
	CLO1: Explain the need for information technology a															С	ogniti	ve	2		
	CLO2: Differentiate the steps in conducting IT auditing and types of IT auditing.  CLO3: Formulate appropriate internal controls for IT major threats, based on an IT govern											overna	ance	Cognitive					4		
	framework.	priate	intern	ai com	1013 10	, ,, ,,,	ajoi ti	ii cato,	Daset	JOHA	g	OVEITIE	ai 100			С	ogniti	ve		6	
	0204.																				
13 .	Mapping of the Course Lea	rning	Outc	omes	to the	Prog	ramn	ne Lea	rning	Outco	omes,	, Teac	hing	Meth	ods a	nd As	sessr	nent:			
	Course Learning			Pre	ogram	me L	earnir	na Out	come	s (PL	0)				1	Teach	ina M	ethods	Asses	sment Method	
	Outcomes (CLO) (Must tally with CLOs in		Programme Learning Outcomes (PLO)											J							
	item 12)	P L	P L	P L	P L	P L	P L	P L	P L	P L	L O	0	O								
		0	2	O 3	0	O 5	O 6	O 7	O 8	9	1	1	1 2								
	CLO1	<u> </u>		3	-	3	0	·	0	3	0	<u> </u>		Lectu	ıre/Tut	torial			Tutorial/Test/Fina	l Fxam	
	CLO2							✓							re/Tut				Tutorial/Test/Fina		
	CLO3								✓						ıre/Tut				Tutorial/Assignme		
	CLO4																				
	Total							2	1					(This		tion m	ust be	read together with s		ne appropriate relevant box I, and 2.2.2 in Area 2 –	
14 .	Transferable Skills: Critical thinking skill develope	ed thro	ough d	liscuss	sion on	assig	ınmen	t and i	eport	writing	g and a	assess	smer	nt via p	resen	tation	and re	eport.			
15 .	Distribution of Student Lea	rning	Time	(SI T	١																
10.										**C	LO			Teaching and Learning Activities Guided Learning Learning					Independent Learning	Total SLT	
	Course Content Outline												(F2F)*				(NF2F)*	(NF2F)*			
														*L	*T	*P	*0				
	Overview of Information Technology Audit and Auditor  - Concept of IT governance and IT auditing; IT auditors' professional organizations and certifications.  1 - Conducting audit based on IT audit life cycle and							1						6	6 6				12	24	
	frameworks; and main - Code of ethics for IT a regulatory and legal iss	types audito	of IT a	audit si gular,	tandar illegal	ds.				•											
	Frameworks and Standards  - Definition and key concept of internal control.  - Introduction to frameworks Committee of Sponsoring Organization (COSO); Control Objective for Information and Related Technology (COBIT); and Information Technology Infrastructure (ITIL).							3							3			4	4	12	
	Information Technolo - Overview of risk man Information systems of - IT networks and telec - Data center and datal - E-Business applicatio	ageme deploy ommu base r	ent pro ment i inication risks a	ocess. risks a ons ris nd cor	nd cor ks and ntrols.	ntrols.	rols.			3	<b>1</b>			8	8			8	16	40	
	Managing the IT Fund - Control processes in designing IT function st directing IT function we third party services and	organi tructur orkflow	re; sta	ffing IT puting	funct	ion;				2	2			3	3				6	12	

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					
						TOTAL OF I						
	CUMMATIVE A	CCECCME	NТ									
SUMMATIVE ASSESSMENT  Continuous Assessment Percentage % Total SLT												
1. Continuous Assessment Tutorial				1 <b>tage %</b> 5%								
			-		6							
Assignments				0%	15							
Test				1:	5%	5						
	Tota	I SLT 1	or Conti	nuous Assessment	26							
2. Final Assessment	Final Accoment						Total SLT					
				i ercer	ntage %	F2F	ILT					
Final Exam				5	0%	2	20					
	1	Total SLT f	or Fina	al Asses	sment (F2F + NF2F)		22					
Grand Total				10	0%		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 Fac	ce to Face										
	. 400, 2											
. Identify Special Requirement to Deliver the Course (e.g., software, nu												
racinity openial requirement to Denter the course (e.g.) softmare, had	irsery, computer lab, si	mulation re	omj:									
NIL  Main References:												
	1 ODO D 0010											
Senft, S. & Gallegos F. Information technology control and audit, 4th Ed	d., CRC Press, 2012.											
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 http://www.isaca.org/cobit, 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	s, 2nd Ed., O'Reilly & As	ssociates, 2	2006.									

Note:

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