COURSE OUTLINE FRSI 1013 PQI

UTM								Page: 1	of 3			
Name of Course												
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			e	mail	: noo	hab@i	c.utm.m	ny				
	course is useful for reinforcing quality competencies and satisfies section 6.2 Resource Management requirements											
for the	e ISO 9001:2008 Standar		1									
		(CI T)										
									t Loorning	Total SLT		
							*		e e		nai SL1	
				1			l l				120 hours	
			12		3	-		,,	00		20 Hours	
O1=T												
LS=L	iterature Search											
		ort)										
	0		.1.1.11.	1								
By the	e end of the course, stude	nts sno	uid be ab	ie to:								
			Program		Pro	gram			Transfera	ble .		
No. Course Learning Outcome		Learning Outcome			Outcome 1 1ax				Skill		Assessment	
				_			(C, I	P, A)			Methods	
Explain basic quality			PO1. PO2		PO1,		C2.	P2			Test	
				_	P	O2					Test	
2		5	PO1		PO2		C2	D2	CTPS2		Test	
2	C		PO3		P	O6	CS	,ГЭ	C1132		Test	
	•	quality										
2			PO3		PO6		D2	40 111		F	Presentation	
tools in industry's application		PO7			PO7		P3,	A2 LL1			and PMA	
TD	A 11 C1 07											
		anad a	nd aggag	n Aor	anaio	ot and	nractio	al avna	ionee and I	ntownshir		
- 17 i I C			How they are developed									
	-	opcu a		y ar	dev	eloned			Accacema	nt		
	Transferable Skills		How the	•					Assessme	nt		
Criti	Transferable Skills cal Thinking and	Devel	How the	•				Quiz,		nt		
Criti Prob	Transferable Skills	Devel and to	How the	ough	guide	ed resp	onse					
	Name Proce Course FRSI Name Prof. To excourse for the Seme Sem 2 Total L=Le T=Tu P=Pre O1=T LS=L O2=C Credi Prere Learn By the No.	Name of Course Process and Quality Improvem Course Code FRSI 1013 Name(s) of academic staff: Prof. Dr. Nooh b. Abu Bakar Rationale for the inclusion of To expose students with quality course is useful for reinforcing for the ISO 9001:2008 Standar Semester and Year offered Sem 2, Year 2 Total Student Learning Time (State Learning Time) Total Student Learning Time (State Learning Time) Total Student Learning Time (State Learning Time) Total Student Learning Time) L=Lecture T=Tutorial P=Presentation O1=Test LS=Literature Search O2=Others (Revision and Report Credit Value: 3 Prerequisite (if any): Nil Learning outcomes By the end of the course, stude No. Course Learning Outcome 1 Explain basic quality tools Apply quality standards and management principles Demonstrate quality standards and quality tools in industry's application Transferable Skills:	Name of Course Process and Quality Improvement Course Code FRSI 1013 Name(s) of academic staff: Prof. Dr. Nooh b. 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Teaching-learning and assessment strategy Teaching-learning strategy: Lectures, guided response, Independent learning Assessment strategy: Presentation, Test, Post-course Assignment(PMA) Synopsis The course introduces QMS concept and tools, provides fundamental quality practices and principles. Application of quality principles and practices designed to improve and maintain the highest level of quality excellence within an organization. Mode of Delivery: Lecture, discussion

14 Assessment Methods and Types

No	Assessment	Number	% each	%	Hour
				total	
1.	Presentation	1	20	20	2hr
2.	Test	2	15	30	1hr/each
3	PMA Report	1	50	50	
	TOTAL			100	

Mapping of the course to the Programme Aims

Course Learning Outcomes (CLO) are shown in item 9 above. Refer Programme Educational Outcomes (PEO) in Appendix 1.2. **Key**: PO 1,2,3 = **PEO 1**; PO 4 and 5 = **PEO 2**; PO6 = **PEO 3**; PO7,PO8 = **PEO 4**

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CLO	PEO	
CLO1, CLO2	PEO1	
CLO3	PEO1, PEO4	

Mapping of the course to the Programme Learning Outcomes

16 Refer to Appendix 1.3

Lecture	Student Learning Time (SLT)						
		Face t	o Face	<u> </u>	Independent Learning		
	L	T	P	О			
Definition and importance of Standards and Quality in business	0.5		0.5				
Benefits of Quality Standards to employees, organizations, customers and society	0.5		0.5				
Total Quality Management (TQM): Key components, philosophies	1						
Approaches to TQM	1		0.5				
Team in TQM, QCC, QIT	1		0.5				
Process Management Definition, Principles of process management	2						
Test				1			

7 QC tools: Benchmarking	1	0.5		
Design of Experiments	0.5			
Failure Mode and Effects Analysis	1			
Quality Deployment				
Quality culture	0.5	0.5		
Quality strategy and Plan	1			
Case Study and Presentation			2	
Quality function	1	0.5		
Documentation: Quality Process and Procedures Example and discussion)	1	1		
Test 2			1	
PMA Discussion		0.5		
Total		5	4	99
Total SLT		,	21 + 9	9 = 120
Subject Credit: 3				_

- 1. Dale H. Besterfield (2008), Quality Control. 7th edition Prentice-Hall, Inc.
- 2. Micheal L.George, John Maxey (2005). The Lean Six Sigma Pocket Toolbox: A Quick Reference Guide to 100 tools for Improving Quality and Speed. McGraw Hill.
- 3. David Hoyle (2006), Quality Management Essentials, Butterworth Heinemann

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Other additional information: NIL