

COURSE INFORMATION

2 . C	Name of Course Course Code													Mathematics III PMT0301						
_	Type of Course									Core										
(€	e.g. : Core, major, elective etc.) Synopsis	: Core, major, elective etc.)									The subject aims to introduce students to fundamental concepts of probabil statistics.						epts of probability a			
	Version State the date of theSenate's a	ersion tate the date of theSenate's approval - previous and the current approval date)											Current: January 2018 Previous: September 2015							
5 . N	Name(s) of Academic Staf	ame(s) of Academic Staff											Ng Sew Lai Yoong Yih Jian							
'. S	Semester and Year Offere	N. 27											Foo Lee Kien Tong Gee Kok Trimester 3							
3 . C	Credit Value	u												1 rimester 3						
	Pre-Requisite Objective of the course in	the nr	ogran	nme.										Mathe	ematic	s I				
Т	To equip students with basic	knowl	ledge :	and pr				natics	for IT s	studer	nts.									
	To provide students with a s							nemat	ical co	ncept	s.									
	CLO1: Solve problems			otoro	motrio	00.00	dovote	·ma of	linear		tions					D	omai	n		Level
	·															С	ognitiv	/e	3	
	CLO2: Solve problems						s, and	use c	of bino	mial th	neoren	n.				С	ognitiv	/e		3
	CLO3: Recall the funda													Cognitive					1	
	CLO4: Solve problems														Cognitive 3					3
3 . N	Mapping of the Course Learning Outcomes to the Programme Learning Outcomes, Teaching										ning	Metho								
	Course Learning Programme Learnin Outcomes (CLO)						g Out	tcome	s (PL			_	Teaching Methods			ethods	Asses	Assessment Method		
	(Must tally with CLOs in item 12)	P L	P L	P L	P L	P L	P L	P L	P L	P L	P L O	P L O	P L O							
		O 1	O 2	O 3	O 4	O 5	O 6	O 7	O 8	O 9	1	1	1 2							
	CLO1 CLO2	✓ ✓					✓								re/ Tu re/ Tu				Quizzes/ Tests/ F Quizzes/ Tests/ F	
	DLO3	✓												Lectu					Quizzes/ Tests/ F	
C	CLO4	✓					✓							Lectu	ro/ Tu	torial			Quirago / Tooto / E	inal Evam
			_	+			· ·				-						6 . 4		Quizzes/ Tests/ F	
4 . <u>T</u>	Fransferable Skills: Fransferable Skill: Problem						3							Indicat (This o pages	te the i descrip 16 & :	relevan	ist be i	ead together with s	PLO by ticking "√" th	e appropriate relevan
F . <u>T</u> T H A	Fransferable Skills:	Solving sion/ P ises/ Q arning	ractice uizzes	s/ Tests	s/ Fina		3 cation	of bas	ic mat	hema		real w		Indicate (This controller pages) To Lear	ns. eachi	relevan tion mu 18 of C	d ties	ead together with s	PLO by ticking "√" th	e appropriate relevar
4 . <u>T</u> T H A	Fransferable Skills: Fransferable Skill: Problem How it is developed: Discus Assessment: Tutorial Exerc Distribution of Student Le Course	Solving sion/ P ises/ Q arning	ractice uizzes	s/ Tests	s/ Fina		3 cation	of bas	ic mat			real w		Indicate (This controller pages) To Lear	te the idescrip 16 & ms.	relevan tion mu 18 of C	d ties	ead together with s 2.0)	PLO by ticking "√" th tandards 2.1.2, 2.2.1	e appropriate relevan , and 2.2.2 in Area 2
4 . <u>T</u> T H A	Fransferable Skills: Fransferable Skill: Problem How it is developed: Discus Assessment: Tutorial Exerc Distribution of Student Le	Solving sion/ P ses/ Q arning Conte	Tractice uizzes Time nt Ou	s/ Tests (SLT) tline	s/ Fina	al Exar	ation m	of bas	ic mat			real w		Indicate (This copages pages probler Top Lear Gu	te the indescription 16 & 10 ms. eaching ided I (F2	ing an Activi Learni PF)*	d ties	ead together with s 2.0) Guided Learning	PLO by ticking "\" th tlandards 2.1.2, 2.2.1	e appropriate relevan , and 2.2.2 in Area 2
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4 · TTHAA	Fransferable Skills: Course Vectors Vectors Vectors in 2 and 3 din Cross product. Equatiplanes. Matrices and System Simultaneous equation of systems of linear equations. Determination. Solving systems of lin using methods of Gau Jordan elimination.) Sequences and Serial Introduction to summ geometric sequences Descriptive Statistic Introduction to basic to representation of data tendency and measur ungrouped and group Events and Probabil Sample space and eviagram. Mutually excevents. Counting Ted Combination. Probab probability. Independe	Solving sion/ P Sees/ Q arning Contemension one of E sees of the S	ractice uizzes I Time nt Our n	ttline t produ nons iables. rses of icelurices a rses of centrices a finclulation and for formal final fin	Solutium Sol	ions atrix ces. uss-	ation m	of bas	ic mat	**C	2	real w		rindicate (This c pages pages) T. Lear Gu *L 5	ee the relescription of the test of the relescription of the test of the relescription of the release of the relea	ing an Activi Learni PF)*	d ties	Guided Learning (NF2F)*	Independent Learning (NF2F)*	Total SLT 13
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Mid term Test	30%		12	
	Total SLT for Continuous Assessment		24	
		Total SLT		
2. Final Assessment	Percentage %	F2F	ILT	
Final Exam	50%	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, NI	F2F*= Non Face to Face			
dentify Special Requirement to Deliver the Course (e.g., software, nursery, co	omputer lab, simulation room):			
7 . Main References:				
B . Additional References:				
Stewart, J., Redlin, L., & Watson, S. (2012) Precalculus: Mathematics for Calcul				
Assliza Salim. et al. (2011). Introduction to Probability and Statistics. Pearson. [I				
Devore, J. L. (2012). Probability and statistics for engineering and the sciences.				
Walpole, R. E., & Myers, R. L. (2011). Probability & Statistics for Engineers & So	cientists. 9th Ed. Pearson Education.			

Note:

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