Course code			MATHEMATICS FOR MANAGEMENT for BBA Aviation Management	L	T	P	C	
Allied	ed - I 4		-	-	4			
Pre-requisite			+2 Business Maths Syllabus Version					
Cour	se Objec	ctives:						
fina busi	l results iness pro	and to tra blems in	to understand the process of solving mathematics in the students to apply the mathematical techniq their career. The course will also serve as a prerec- ted studies and research,	ues wł	ile s	olvir		
Evne	cted Co	urse Outc	omes.					
			letion of the course, student will be able to:					
			inear equations by use of the matrix			K.	3	
2 I	Be able to find the nature (maximum and minimum) of a turning point							
	Outline the meaning of marginal revenue and marginal cost and their relevance for firm's profitability.							
	Understand and compute the sampling distributions, sampling distributions of means and variances (S2) and the t- and F-distributions							
C	correlation	on.	Understand; K3 - Apply; K4 - Analyze; K5 - Ev	1	á	K.	2	
Unit:	1		MATRICES	77	14	ho	urs	
multip	olication	Inversion	of square matrices of not more than 3rd order-se			em o	f	
Unit:	it:1 MATRICES 14h trices: Fundamental ideas about matrices and their operational rules – Matrix ltiplication Inversion of square matrices of not more than 3rd order- solving system rultaneous linearequations.		-hou	ırs				
	•		n - Types of sets - set operation - Venn Diagrams ompound Interest.(Simple problems only)	- Mat	hema	ntics	of	
Unit:	it:3 STATISTICAL METHODS 15					ho	urs	
data a Forma	nd secor	ndary data Frequency	ns of Statistics - Scope and Limitations. Collection Presentation of data by Diagrammatic and Graphy Distribution. Measures of Central tendency - Ar	hical	Meth	od -		

Unit:4	MEASURES OF VARIATION	14hours						
Measures of	Variation: Standard, Mean and Quartile deviations-Co efficient	cient of variation.						
Simple Corre	lation - Karl Pearson's Co-efficient of correlation - Rank c	orrelation -						
Regression li	nes.							
Unit:5	ANALYSIS OF TIME SERIES AND INDEX NUMBER	13hours						
Analysis of Time Series: Methods of Measuring Trend - Index number - Unweighted an								
Weighted ind	ices—Tests of index numbers-Consumers price and cost of	living indices.						
Unit:6	CONTEMPORARY ISSUES	02 -h						
		ours						
*	es, online seminars – webinars							
_	theory and problems carry 20% and 80% marks respe	ctively Problems						
need to be si	mple keeping students' non-mathematical background							
	Total Lecture hours	72hours						
Text Book(s)	3							
1 S.P. Gup	ta (S.P.): "S <mark>tatistical</mark> Methods", Sultan C <mark>hand & So</mark> ns, 34th	Edition,2007						
2 Richard Levin & David Rubin, "Statistics for management", Prentice Hall, 2008								
Reference Be	ooks							
1 Sundaresan and Jayaseelan- An Introduction to Business Mathematics and Statistical Method								
2 P.R.Vitta								
3 S.P.Rajaş	S.P.Rajagopalan and R.Sattanathan, business statistics and Operation Research, Tata							
Mcgraw-	Mcgraw-Hell publishing company Ltd.,2nd edition,2009.							
Related Onli	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc	2.]						
1 http://ww	ww.dphu.org/uploads/attachements/books/books_5117_0.p	<u>df</u>						
2 http://wv								
statistics sneak preview.pdf								

Mapping with Programme Outcomes

$\overline{}$	Trubbing With Light and Control									
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	M	S	S	S	S	M	S
CO2	S	S	S	S	S	S	S	S	S	S
CO3	S	M	M	S	S	S	M	M	S	S
CO4	M	S	M	S	M	M	S	M	S	M
CO5	S	S	S	S	M	S	S	S	S	M

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^{*}S-Strong; M-Medium; L-Low