Structure of the B.Sc. (Hons.) in Mathematics Programme

Semester	Discipline		Inter-	Ability	Skill Enhancement	Common	Total	
	Specific	Minor	disciplinary	Enhancement	courses	Value- Added	Credits	
	Courses - Core		courses	courses	/Internship/Dissertation	Courses		
				(language)				
I	(100 level)	(100 Level)	Course from	(1 course)	Computer Algebra	(1 or 2	20	
			the Other		Systems and Related	courses)		
]		Department	Communicative	Software's (CAS)	To be offered		
	Real Analysis-I	Linear		English		commonly across		
		Programming				UG Programmes		
	Calculus	Problem						
		1						
		1						
TI	(100 level)	(100 Level)	(1 course)	(1 course)	(1 course)	(1 or 2	20	
							20	
	Abstract Algebra-I	Discrete	Course from	Fnvironmental	Latex and HTML	Lindi Languago		
		Mathematics	the Other	Studies		and Literature		
			Department					
	Linear Algebra							
	<u> </u>							
	Students exiting the programme after securing 40 credits will be awarded UG Certificate in							
	the relevant Discipline /Subject provided they secure 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second							
	semester.							
	(200)							
111	(200 level)	(200 & above)	(1 course)	(1 course)	(1 course)	Innovation and	20	
						Entrepreneurship		

	Ordinary		Introduction		IT and		
	Differential	Multivariable	to Language		ApplicationsI/Introduction		
	Equations	Calculus	Culture and		to Data Science-I/		
			Society		Operating System: Linux/		
					Programming in python		
	Mathematical						
	Statistics						
TV	(200 level)	(200 & above)	-	(1 course)	-		20
1.				(i course)			20
	Partial	Abstract					
	Differential	Algebra-II					
	Equations						
	Numerical						
	Analysis						
	Students exiting the programme after securing 80 credits will be awarded UG Diploma in the						00
							00
	relevant Discip	line /Subject	provided the	y secure addit	tional 4 credit in skill bar r torm	ased vocational	80
V	relevant Discip courses offered	line /Subject d during first y	provided the year or secon	y secure addit d year summe	t ional 4 credit in skill b r term. (Internshin)	ased vocational	20
V	<i>relevant Discip</i> <i>courses offered</i> (300 Level)	<i>line /Subject</i> <i>during first y</i> (200 & above)	provided the vear or secon	y secure addit d year summe	t ional 4 credit in skill b a r term. (Internship)	ased vocational	20
V	<i>relevant Discip</i> <i>courses offered</i> (300 Level)	line /Subject during first y (200 & above)	provided the vear or secon	y secure addit d year summe -	tional 4 credit in skill b a r term. (Internship)	ased vocational	20
V	<i>relevant Discip</i> <i>courses offered</i> (300 Level) Complex	Graph Theory	provided the vear or secon	y secure addit d year summe -	t ional 4 credit in skill b a r term. (Internship)	ased vocational	20
V	<i>relevant Discip</i> <i>courses offered</i> (300 Level) Complex Analysis	<i>during first y</i> (200 & above) Graph Theory	provided the vear or secon	y secure addit d year summe -	t ional 4 credit in skill b r term. (Internship)	ased vocational	20
V	<i>relevant Discip</i> <i>courses offered</i> (300 Level) Complex Analysis	<i>during first</i> (200 & above) Graph Theory	provided the vear or secon	y secure addit d year summe -	tional 4 credit in skill b r term. (Internship)	ased vocational	20
V	<i>relevant Discip</i> <i>courses offered</i> (300 Level) Complex Analysis	Graph Theory	provided the vear or secon	y secure addit d year summe -	tional 4 credit in skill b r term. (Internship)	ased vocational	20
V	<i>relevant Discip</i> <i>courses offered</i> (300 Level) Complex Analysis	<i>during first y</i> (200 & above) Graph Theory	provided the vear or secon	y secure addit d year summe -	rional 4 credit in skill b r term. (Internship)	ased vocational	20
V	<i>relevant Discip</i> <i>courses offered</i> (300 Level) Complex Analysis Operational Research	Graph Theory	provided the vear or secon	y secure addit d year summe -	tional 4 credit in skill b r term. (Internship)	-	20
V	<i>relevant Discip</i> <i>courses offered</i> (300 Level) Complex Analysis Operational Research	Graph Theory	provided the vear or secon	y secure addit d year summe -	tional 4 credit in skill b r term. (Internship)	-	20
V	<i>relevant Discip</i> <i>courses offered</i> (300 Level) Complex Analysis Operational Research	(200 & shous)	provided the vear or secon	y secure addit d year summe -	rional 4 credit in skill b r term. (Internship)	-	20

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Stude relev	ents who want to unde ant Discipline /Subject	rtake 3-year UG upon securing 2	programme will be awarde 120 credits	ed UG Degree in the	120	
VII (400 Mather Finance 1. Di (N	Level) (300 & above) natical e Differential ssertation Geometry linor)	-	-	-	20	
VIII (400 Advano Mather method or Field ⁻ Or Fluid or Calculu Variatio	Level) (300 & above) Mathematical Modelling Theory Or Dynamics Optimization Techniques Or s of Dr S of Dr S of Cryptography and Network Security	-	(Research Project/ Disserta	ation)	20	
Students will be awarded UG Degree (Honours) with Research in the relevant Discipline /Subject provided they secure 160 credits						