

UTM1(O/P)		4h30	1h30	1h30	6h	4	7		
Introduction to probability and statistics descriptive	42	1h30	1h30	1h30	2h	2	3	40%	60%
Information and communication technology	21	1h30			2h	1	2	40%	60%
Programmation tools for mathematics	42	1h30			2h	1	2	40%	60%
UT Transversal									
UTT1(O/P)		1h30	1h30			2	3		
- Physics 2	42	1h30	1h30		2h	2	3	40%	60%
Total Semester 2	375h	13h30	9h	4h30	20h	18	30		

Teaching unit	VHS	V.H W				Coeff	Credits	Evaluation Mode	
	14-16 W	C	TD	TP	Other			Continu	Exam
UT fondamentals									
UTF31(O/P)					9h	10	18		
UTF311 : Algebra 3	42	1h30	1h30		3h	3	5	40%	60%
UTF312 : Analysis 3	63	3h00	3h00		3h	4	7	40%	60%
UEF313 : Introduction to topology	63	3h00	3h00		3h	3	6	40%	60%
UE methodology									
UTM31(O/P)		4h30	3h	3h	6h	6	10		
UTM311 : Numerical Analysis 1	63	1h30	1h30	1h30	2h	3	4	40%	60%
UEM312 : Mathematical Logic	42	1h30	1h30		2h	2	3	40%	60%
UEM313 : Programmation tools 2	42	1h30		1h30	2h	1	3	40%	60%
UE Discovery									
D31(O/P)						1	2		
D311 : History of Mathematics	21	1h30				1	2		100%

Total Semester 3		336h	13h3	7h30	3h	17	17	30		
Teaching unit	VHS	V.H W				Coeff	Credits	Evaluation mode		
	14-16 W	C	TD	TP	Other			Continu	Exam	
UT fondamentals										
UTF41(O /P)		7h30	6h		9h	10	18			
F411 : Algebra 4	42	1h30	1h30		3h	3	5	40%	60%	
F412 : Analysis 4	84	3h	3h		3h	4	7	40%	60%	
F413 : Complex Analysis	63	3h	1h30		3h	3	6	40%	60%	
UT methodologyY										
UTM41(O/P)						6	10			
M411 : Numerical Analysis 2		1h30	1h30	1H30		2	4	40%	60%	
M412 : Probability		1h30	1h30			2	3	40%	60%	
M413 : Geomtry		1h30	1h30			2	3	40%	60%	
UE decovery(O/P)										
UTD41						1	2			
D411 : Application to other sciences		1h30				1	2		100%	
Total Semester 4						17	30			
Teaching unit	VHS	V.HW				Coeff	Credits	Evaluation Mode		
	14-16 W	C	TD	TP	Oth			Continu	Exam	
UT fondamentals						7	11			
UTF 5.1 (O/P)		4h30	3h		6h					
UTF5.1.1: Mesure and integration	63h	3H	1h30		3h	4	6	40%	60%	
UTF5.1.2: Normed vector spaces	42h	1h30	1h30		3h	3	5	40%	60%	

UT fundamentals						6	11		
UTF5.2(O/P)		4h30	3h		6h				
UTF5.2.1 : ODE	63h	3h	1h30		3h	4	6	40%	60%
UTF.2.2 : Physics mathematical equations	42h	1h30	1h30		3h	2	5	40%	60%
UT methodology									
UTM. 5.1(O/P)		1h30	1h30	1h30	2h	2	5		
UTM. 5.1.1 Optimization without constraints	63h	1h30	1h30	1h30	2h	2	5	40%	60%
UT Discovery						1	2		
UTD.1(O/P)		1h30			2h	1	3		
UTD5.1.1 : Didactics of mathematics	21h	1h30			2h	1	3		100%
Total Semester 5	294h	12h	7h30	1h30	18h	16	30		

Teaching unit	VHS	V.H W				Coeff	Credits	Evaluation Mode	
	14-16 W	C	TD	TP	Other			Continu	Exam
UT fundamentals									
UTF6.1(O/P)		6h	6h		6h	10	18		
UTF6.1.1 : Linear operator theory	67 h30	3h	3h		3h	5	9	40%	60%
UEF6.1.2 : PDE	67 h30	3h	3h		3h	5	9	40%	60%
UEF6.2(O/P)		6h	3h		4h	4	10		
UEF6.2.1 : Differential geometry	63h	3h	1h30		2h	2	5	40%	60%
UEF6.1.2 : Integral transformations in Lp spaces	63h	3h	1h30		2h	2	5	40%	60%
UT transversal									
UTT6.1(O/P)						2	2		
UTT6.1.1: Ethics and deontology of teaching and research	45h	1h30				2	2		100%
Total Semester 6	315h	13h3	9h		12h	16	30		