



Integral University, Lucknow
Department of Mathematics & Statistics
Study and Evaluation Scheme (w.e.f. 2020-21)

M. Sc. (Mathematics)

Ist year / Ist Semester

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes						United Nations Sustainable Development Goals (SDGs)		
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics	
THEORIES																						
1	MT406	Real Analysis	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√						
2	MT407	Modern Algebra	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√						
3	MT408	Ordinary Differential Equations	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√						
4	MT409	Discrete Mathematics	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√						
5	MT410	Complex Analysis	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√						
6	MT411	Statistical Techniques	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√						
Total				18	06	00	240	120	360	240	600	24	24									

CT = Class Test; TA = Teacher's Assessment; ESE = End Semester Examination; Sessional = CT + TA; Subject Total = Sessional + ESE



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THEORIES																							
1	MT413	Differential Geometry I	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√							
2	MT414	Partial Differential Equations	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√							
3	MT415	Numerical Analysis	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√							
4	MT416	Linear Algebra	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√							
5	MT417	Problem Solving and Computer Programming through C	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√							
PRACTICAL																							
6	MT418	Numerical Analysis Lab through C/MATLAB	Core	00	00	04	40	20	60	40	100	0:0:2	2	√		√							
Total				15	05	04	240	120	360	240	600	22	22										

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