



Integral University, Lucknow
Department of Mathematics & Statistics
Study and Evaluation Scheme for the session 2025-26

M. Sc. (Data Science)

II year / III Semester

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem.			Evaluation Scheme				Sub. Total	Credit	Total Cred its	Attributes						
				L	T	P	CT	TA	Total	ESE				Employ ability	Entrepre neurship	Skill Develop ment	Gender Equality	Environm ent & Sustainab ility	Human Value	Professio nal Ethics
THEORIES																				
1	MT523	Statistical Machine Learning II	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√				
2	MT556	Optimization Techniques for Data Science	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√				
3	CS569	Neural Network Analysis	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√				
4	CS 609	Big Data Engineering	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√				
5	CS 560	Programming For Data Science with Python	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√				
PRACTICAL																				
6	CS562	Big Data Management & Data Analysis Lab	Core	00	00	04	40	20	60	40	100	0:0:2	2	√		√				
7	CS561	Python Programming Lab	Core	00	00	04	40	20	60	40	100	0:0:2	2	√		√				
At least 2/3 practical's (Kaggle Computing)																				
Total				15	05	08	280	140	420	280	700	24	24							



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II year / IV Semester

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes						
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics
THEORIES																				
1	MT559	Time Series Analysis	DE	03	01	00	40	20	60	40	100	3:1:0	4	√		√				
	MT560	Structured Query Language	DE																	
	CS568	Cloud Computing Basics	DE																	
2	CS524	Deep Learning Using Python	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√				
3	CS--	Applied Data Mining and Warehousing	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√				
4	CS566	Minor Project in Kaggle Competition	Core	00	00	08	00	00	00	200	200	08	8	√		√				
Total				09	03	08	120	60	180	320	500	20	20							

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

Total Credits = 24 + 24 + 24 + 20 = 92

*** The Evaluation scheme for Project**

Project	Course Code	Project Dissertation	Presentation	Viva-Voce	Total
	CS..	100	50	50	200