

M.Sc. Data Science – Course Structure under CBCS - Batch 2019 onwards

Sem	Course	Course Code	Subjects	Ins. Hrs/ Week	Crs	Exam Hrs	Marks		
							Int	Ext	Total
I	CC-I	19PDS101	Mathematics for Data Science	6	5	3	25	75	100
	CC-II	19PDS102	Advanced Data Base Systems	6	5	3	25	75	100
	CC-III	19PDS103	Data Mining Techniques	6	5	3	25	75	100
	CC-IV	19PDS104	Information Security	6	5	3	25	75	100
	CC-V	19PDS105L	Data Base Systems & Data Mining Lab	6	4	3	4	60	100
	TOTAL			30	24	500			
II	CC-VI	19PDS206	Probability and Statistical Computing	6	5	3	25	75	100
	CC-VII	19PDS207	Artificial Intelligence and Machine Learning	6	5	3	25	75	100
	CC-VIII	19PDS208L	Machine Learning Lab (Python/R)	6	4	3	40	60	100
	CEC-I OEC-I	19PDS215a	Python Programming	6	4	3	25	75	100
		19PDS215b	R Programming						
		19PDS216a	Health Care Data Analytics	6	4	3	25	75	100
		19PDS216b	Social Media Mining						
	TOTAL			30	22	500			
III	CC-IX	19PDS309	Multivariate Techniques	6	5	3	25	75	100
	CC-X	19PDS310	Big Data Analytics	6	5	3	25	75	100
	CC-XI	19PDS311	Big Data Analytics –Lab	6	4	3	40	60	100
	CEC-II	19PDS317a	Natural Language Processing						
		19PDS317b	Financial Risk Analytics	6	4	3	25	75	100
	CEC-III	19PDS318a	Cloud and Web Intelligence						
		19PDS318b	Customer Relationship Management	6	4	3	25	75	100
	TOTAL			30	22	500			
IV	CC-XII	19PDS412	Deep Learning	6	5	3	25	75	100
	CC-XIII	19PDS413	Predictive Analytics	6	5	3	25	75	100
	CC-XIV	19PDS414	Predictive Analytics –Lab	6	4	3	40	60	100
	CEC-IV	19PDS419a	Business Intelligence						
		19PDS419b	Image and Video Analytics	6	4	3	25	75	100
	Project	19PDS420	Internship/Project Work	6	4	-	25	75	100
	TOTAL			30	22	500			
				120	90	2000			