



**Integral University, Lucknow**  
**Department of Computer Application**  
**Study and Evaluation Scheme**  
**Semester I**

**Program: MCA**

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes						Sustainable Development Goals	
				L	T	P	UE	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics
<b>THEORIES</b>																					
1.	CA451	Discrete Mathematics	Core	3	1	0	40	20	60	40	100	3:1:0	4	√		√				4,9,17	
2.	CA452	Computer Organization and Architecture	Core	3	1	0	40	20	60	40	100	3:1:0	4	√		√				4,9,15	
3.	CA453	Fundamentals of Computer and C Programming	Core	3	1	0	40	20	60	40	100	3:1:0	4	√		√				4,9	
4.	CA454	UNIX and Shell Programming	Core	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√				4,9	
5.	CA455	Software Engineering	Core	3	1	0	40	20	60	40	100	3:1:0	4	√		√				4,9,15	
6.	CA456	Operating System	Core	3	1	0	40	20	60	40	100	3:1:0	4	√		√				4,7,9	
7.	*MT432	Mathematical Methods	Bridge Course	3	1	0	40	20	60	40	100	0:0:0	0			√					
<b>PRACTICAL</b>																					
1.	CA457	Computer Organization and Architecture Lab	Core	0	0	3	40	20	60	40	100	0:0:3	1	√		√				4,7,8	
2.	CA458	C Programming Lab	Core	0	0	3	40	20	60	40	100	0:0:3	1	√	√	√				4,9,12	
3.	CA459	UNIX / LINUX Lab	Core	0	0	2	40	20	60	40	100	0:0:2	1	√	√	√				4,9	
<b>Total</b>				18	6	8	360	180	540	360	900	18:6:8	27								

- \*MT432 is a non-credit Bridge Course for non-mathematical background students.