





Integral University, Lucknow  
 Department of Mechanical Engineering  
Study and Evaluation Scheme  
 (W.e.f. session 2021-22)

Program: B . Tech. (Mechanical Engineering)

**Semester IV**

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Max. Marks	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
<b>THEORIES</b>																					
1		Elective-1 *	Elective	03	01	00	40	20	60	40	100	3:1:0	4								
	ME213	Polymer Science & Technology	Elective											√	√	√				4,13	
	EE223	Electric Machines	Elective											√		√		√		4,13	
	EC219	Laser Systems and Applications	Elective											√	√	√				4,9	
2	ME207	Kinematics of Machines	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√					4,9	
3	ME208	Manufacturing Science – I	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√				4,8,9,12	
4	ME209	Measurements, Metrology and Control	Core	03	001	00	40	20	60	40	100	3:1:0	4	√	√	√		√		4,9	
5	EC217	System & Automatic Control	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√					
6	ESE202/ CSE203	Disaster Management/ Cyber Law And Information Security	Core	02	01	00	40	20	60	40	100	2:1:0	3	√		√		√	√	11,13	
<b>PRACTICAL</b>																					
7	ME210	Manufacturing Science - I Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	√	√	√				4,8,9,12	
8	ME211	Measurements, Metrology and Control Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	√	√	√				4,9	
9	ME212	Machine Drawing - II Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	√		√				4,9,12	
10	EC218	System & Automatic Control Lab	Core	00	01	02	40	20	60	40	100	0:0:1	1	√	√	√					
11	BM226	**Human values & Professional Ethics	Core	03	00	00	00	00	00	50	50	0:0:1	0		√				√	√	3,10,13
12	ME252	Comprehensive Annual Assessment-1	Core						100	100		0:0:1	1	√		√					
<b>Total</b>				<b>17</b>	<b>06</b>	<b>08</b>	<b>400</b>	<b>300</b>	<b>700</b>	<b>400</b>	<b>1100</b>	<b>28</b>	<b>28</b>								