



Integral University, Lucknow
Department of Mechanical Engineering (Automobile)
Study and Evaluation Scheme

Program: Diploma in Engineering

Semester I

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	DMA-101	Applied Mathematics-I	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√				
2	DPH-101	Applied Physics (A)	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√		
3	DCH-101	Applied Chemistry (A)	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√		
4	DPC-101	Professional Communication	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√			√	√
5	DAM-101	Applied Mechanics-I	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√				
6	DWS-101	Elementary Workshop Technology	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√		
PRACTICAL																				
7	DPH-151	Applied Physics Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	√	√	√		√		
8	DWS-151	Workshop Practice	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	√	√	√		√		
9	DAM-151	Applied Mechanics Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1			√				
10	DPC-151	Professional Communication Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	√	√	√		√	√	
11	GP-151	General Proficiency		—	—	—	—	—	60	—	60								√	√
Total				18	06	09	—	—	—	—	—	1060		28.5						



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Semester II

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Max. Marks	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	DMA-201	Applied Mathematics-II	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√				
2	DPH-201	Applied Physics (B)	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√		
3	DCH-201	Applied Chemistry (B)	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√		
4	DED-201	Engineering Drawing	Core	01	03	00	40	20	60	40	100	3:1:0	4	√	√	√			√	
5	DAM-201	Applied Mechanics-II	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√			√	
6	DME-201	Elements of Mechanical Engineering	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√			√	
PRACTICAL																				
1.	DCH-251	Applied Chemistry Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	√	√	√		√		
2.	DME-251	Elements of Mechanical Engineering Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	√	√	√			√	
3.	DCS-251	Computer Application Lab	Core	01	00	02	40	20	60	40	100	1:0:1	2	√	√	√				
4.	DCAD-251	Basic Computer Aided Design Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	√	√	√			√	
5.	GP-251	General Proficiency		—	—	—	—	—	60	—	60							√	√	
Total				17	08	08	—	—	—	—	—	1060		29						



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Semester III

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	DMA -301	Applied Mathematics-II (A)	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√					
2	DME - 301	Mechanics of Solid	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√					
3	DME - 302	Material Science - I	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√			
4	DME - 303	Thermal Engineering - I	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√			
5	DME - 304	Mechanical Engineering Drawing	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√				√	
6	DME - 306	Basic Electronics Engineering		03	01	00	40	20	60	40	100	3:1:0	4	√		√					
PRACTICAL																					
7	DME - 351	Mechanics of Solids Lab.	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	√	√	√					
8	DME - 353	Thermal Engineering Lab.	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	√	√	√		√			
9	DME - 356	Basic Electronics Engineering Lab.	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	√		√					
10	GP - 351	General Proficiency							60		60								√	√	
Total				18	06	09						960		28.5							



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Semester IV

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Max. Marks	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	DMA - 401	Applied Mathematics-II (B)	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√				
2	DME - 401	Hydraulics & Hydraulic Machines	Core	03	01	00	40	20	60	40	100	3:1:0	4		√	√			√	
3	DME - 402	Material Science –II	Core	03	01	00	40	20	60	40	100	3:1:0	4		√	√			√	
4	DME - 403	Thermal Engineering - II	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√			√	
5	DME - 404	Manufacturing Process	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√			√	
6	DME - 406	Basic Electrical Engg.	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√				
PRACTICAL																				
1.	DME - 451	Hydraulics Lab.	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5		√	√			√	
2.	DME - 452	Workshop (Manufacturing Process)	Core	00	00	03	40	20	60	40	100	0:0: 1.5	1.5	√	√	√			√	
3.	DME - 456	Basic Electrical Engg. Lab	Core	00	00	03	40	20	60	40	100	0:0: 1.5	1.5	√		√				
4.	GP- 451	General Proficiency		-	-	-	-	-	60	-	60								√	√
Total				18	06	09	-	-	-	-	960		28.5							



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Semester V

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Max. Marks	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	DAE -501	Kinetics of Machines	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√				
2	DAE-502	Industrial Engg & Safety	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√		√
3	DAE-503	Design & Estimation	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√				
4	DAE -505	Refrigeration & Air Conditioning	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√		√
5	DAE-507	Computer Aided Design & Manufacturing	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√				√
6	DIM-501	Industrial Management & Entrepreneurship Development	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√				√
PRACTICAL																				
1.	DWS-551	Mechanical Workshop	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	√	√	√		√		√
2.	DAE-554	Computer Aided Design Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	√	√	√				√
3.	DAE-555	Refrigeration & Air Conditioning Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	√	√	√		√		√
4.	DAE-557	Field Exposure	Core	-	-	-	--	--	--	40	40			√	√	√		√	√	√
5.	GP-551	General Proficiency		-	-	-	--	--	60	--	60								√	√
Total				18	06	07	-	-	-	-	1000		27.5							



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Semester VI

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Max. Marks	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	DAE -601	Dynamics of Machines	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√				√
2	DAE-603	Automobile Engine	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√		√
3	DAE-604	Automobile Technology	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√		√
4	DAE -605	Automobile Maintenance, Service And Repairing	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√		√
5	DAE-607	Metrology and Quality Control	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√				√
6	DEV-601	Environmental Education And Disaster Management	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√			√		√
PRACTICAL																				
1.	DAE-652	Metrology Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	√		√				√
2.	DAE-653	Automobile Engg. Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	√	√	√		√		√
3.	DAE-656	Project	Core	00	00	02	00	120	120	80	200	0:0:1	1	√	√	√		√	√	√
4.	GP-651	General Proficiency		-	-	-	--	--	60	--	60								√	√
Total				18	06	06					1060		27							