



Integral University, Lucknow
Department of Electrical Engg.
Study and Evaluation Scheme

Program: B. Tech. (Electrical Engg.)

Semester III

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub. Total	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	
THEORIES																					
1	EE201	Linear Network & Systems	Core	3	1	0	40	20	60	40	100	3:1:0	4	√	√				9		
2	EE203	ElectroMechanical Energy Conversion-I	Core	2	1	0	40	20	60	40	100	3:1:0	4	√					9		
3	EE205	Solid State Devices & Circuit	Core	3	1	0	40	20	60	40	100	3:1:0	4	√	√				9		
4	EE207	Fundamentals of EMFT	Core	3	1	0	40	20	60	40	100	3:1:0	4		√				9		
5	MT201	Engineering Mathematics-I II	BS	3	1	0	40	20	60	40	100	3:1:0	4		√				9		
6	CS203	Cyber Law & Information Security	ESA	2	1	0	40	20	60	40	100	2:1:0	3		√						
*	BM226	Human Values and Professional Ethics	HM	3	0	0	-	-	-	50	50	3:0:0	0	√	√						
PRACTICAL																					
7	EE202	Network Lab	Core	0	0	2	40	20	60	40	100	0:0:2	1		√				9		
8	EE204	Electromechanical Energy Conversion-I Lab	Core	0	0	2	40	20	60	40	100	0:0:2	1	√					9		
9	EE206	Solid State Devices & Circuit Lab	Core	0	0	2	40	20	60	40	100	0:0:2	1	√					9		
10	EE208	Electrical Workshop	Core	0	1	2	40	20	60	40	100	0:0:2	1	√	√	√			4,9		
Total				19	7	8	400	200	600	400	1000		27								

*Audit Course Human Values and Professional Ethics (BM-226) this is a compulsory audit course in which a student must clear this paper with 50% passing marks up to the final year and marks will not be included in the result.



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SemesterIV

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week /sem			Evaluation Scheme				S u b. T o t a l	Cred it	To t a l Cr e d i t s	Attributes							United Nations Sustainable Development Goals (SDGs)
				L	T	P	C T	T A	T o t a l	E S E				Em p l o y a b i l i t y	Ent r e p r e n e u r s h i p	S k i l l D e v e l o p m e n t	G e n d e r E q u a l i t y	En v i r o n m e n t & S u s t a i n a b i l i t y	H u m a n V a l u e	P r o f e s s i o n a l E t h i c s	
THEORIES																					
1	EE209	Electrical Measurement & Measuring Instruments	Core	3	1	0	40	20	60	40	100	3:1:0	4		√	√	√			4	
2	EE211	ElectroMechanical Energy Conversion-II	Core	3	1	0	40	20	60	40	100	3:1:0	4	√						4,7,8,9,11	
3	EE213	Numerical Analysis & Applications	Core	3	1	0	40	20	60	40	100	3:1:0	4			√				4	
4	EE217	Signal System Analysis	Core	3	1	0	40	20	60	40	100	3:1:0	4			√				4	
5	ES202	Disaster management	HM	2	1	0	40	20	60	40	100	2:1:0	3	√	√						
6		Departmental Elective -I	Elec tive	3	1	0	40	20	60	40	100	3:1:0	4								
PRACTICAL																					
7	EE210	Electrical Measurement Lab	Core	0	0	2	40	20	60	40	100	0:0:2	1		√	√	√			4	
8	EE212	ElectroMechanical Energy Conversion-II Lab	Core	0	0	2	40	20	60	40	100	0:0:2	1	√						4,7,8,9,11	
9	EE214	Numerical Analysis and Applications Lab	Core	0	0	2	40	20	60	40	100	0:0:2	1			√				4	
10	EE216	Electrical Simulation Lab	Core	0	0	2	40	20	60	40	100	0:0:2	1	√		√				4	
11	EE252	Comprehensive Annual Assessment-1	Core	-	-	-	-	-	100	-	100	0:0:0	1	√	√	√				4,9	
Total				17	6	8	400	200	700	400	1100		28								



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List of Electives

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub Total	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	
Departmental Elective I																					
1	EE221	Electrical Engineering Materials	DE 1	3	1	0	40	20	60	40	100	3:1:0	4	√						9	
	EE222	Probability Foundations for Electrical Engineers	DE 1	3	1	0	40	20	60	40	100	3:1:0	4		√					9	
	CS205	OOP & C++	DE 1	3	1	0	40	20	60	40	100	3:1:0	4		√						
	EE224	Illumination Engineering	DE 1	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√		√		9	
Departmental Elective II																					
2	EE321	Measurement & Instrumentation	DE 2	3	1	0	40	20	60	40	100	3:1:0	4		√	√				9	
	EE323	Process Instrumentation	DE 2	3	1	0	40	20	60	40	100	3:1:0	4	√		√				9	
	EE325	Conventional & CAD of Electrical Machines	DE 2	3	1	0	40	20	60	40	100	3:1:0	4	√		√				9	
	EC302	Integrated Circuits	DE 2	3	1	0	40	20	60	40	100	3:1:0	4	√		√					
Departmental Elective III																					
3	EE322	Measurement and Instrumentation Lab	DE 3	3	1	0	40	20	60	40	100	0:0:2	1		√	√				9	
	EE324	Process Instrumentation Lab	DE 3	3	1	0	40	20	60	40	100	0:0:2	1	√		√				9	
	EE326	Machine Design Lab	DE 3	3	1	0	40	20	60	40	100	0:0:2	1	√	√	√				9	
	EC309	Integrated Circuits Lab	DE3	3	1	0	40	20	60	40	100	0:0:2	1	√	√	√					
Departmental Elective IV																					
	EE331	Modern Power System	DE 4	3	1	0	40	20	60	40	100	3:1:0	4	√						7,8,9,11	
	EE333	Advance Control System	DE 4	3	1	0	40	20	60	40	100	3:1:0	4	√		√				9	

