



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

**Program: M. Tech. Power System 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							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	EE513	Advance Power Electronics	Core	4	0	0	40	20	60	40	100	4:0:0	4	√	√	√				9	
2	EE514	Power Apparatus & System Modeling	Core	4	0	0	40	20	60	40	100	4:0:0	4	√	√	√				9	
3	EE515	Advance Power System Analysis	Core	4	0	0	40	20	60	40	100	4:0:0	4	√	√	√				9,11	
4	EE517	Power System Dynamics & Control	Core	4	0	0	40	20	60	40	100	4:0:0	4	√	√	√				9,11	
<b>PRACTICAL</b>																					
5	EE516	Advance Power System Lab	Core	0	0	3	40	20	60	40	100	0:0:3	2	√	√	√				4,9	
<b>Total</b>				<b>16</b>	<b>0</b>	<b>3</b>	<b>200</b>	<b>100</b>	<b>300</b>	<b>200</b>	<b>500</b>			<b>18</b>							





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

**Program: B. Tech. (Electrical Engg.)**

**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	
<b>Departmental Elective I</b>																					
1	EE521	High Voltage Testing Techniques	DE1	4	0	0	4	2	6	40	100	4:0:0	4	√	√	√				9	
	EE522	Power System Stability	DE1	4	0	0	4	2	6	40	100	4:0:0	4	√	√	√				7,9,12	
	EE523	Advance Electric Drives	DE1	4	0	0	4	2	6	40	100	4:0:0	4	√	√	√				9,12	
<b>Departmental Elective II</b>																					
2	EE613	Power Quality Assessment	DE2	4	0	0	4	2	6	40	100	4:0:0	4			√				9	
	EE614	Power System Restructuring & Deregulation	DE2	4	0	0	4	2	6	40	100	4:0:0	4			√				9,12	
	EE621	Soft Computing in Solar PV and Wind Energy Conversion Systems	DE2	4	0	0	4	2	6	40	100	4:0:0	4	√	√	√				7,9,11,13	
<b>Departmental Elective III</b>																					
3	EE616	SCADA Systems and Applications	DE3	3	0	0	4	2	6	40	100	3:0:0	3			√				9,11	
	EE617	Power System Transients	DE3	3	0	0	4	2	6	40	100	3:0:0	3	√	√	√				7	
	EE618	Testing and Maintenance of Electrical Power Apparatus	DE3	3	0	0	4	2	6	40	100	3:0:0	3	√	√	√				12	