









Term 7	EE 333	Electric & Magnetic Field II	Steady Magnetic Field (Biot-	✓	✓																					✓												
			Magnetic Forces and Torques	✓	✓																																	
			Magnetic materials and magnetic circuits	✓	✓																																	
			Time varying magnetic field (Farady's law of induction - motional emf)	✓	✓																							✓		✓								
			Maxwell's equation	✓	✓																								✓									
	Assesment Method			Written Exams and Assignemnts.																																		
	EE 441	Power System II	Transient in RL	✓	✓																													✓	✓	✓		
			Fault Analysis	✓	✓																													✓	✓	✓		
			Selection of Circuit Breaker		✓																														✓	✓	✓	
			Symmetrical components	✓	✓																														✓	✓	✓	
			Unsymmetrical fult	✓	✓																														✓	✓	✓	
			Power system stability under faulty condition	✓	✓																														✓	✓	✓	
	Assesment Method			Written Exams, Assignments and Matlab Simulation.																																		
	EE 422	Electrical Machines II	Three phase : construction , theory and performance.	✓	✓																														✓			
			Three phase synchronous machines construction.	✓	✓																																	
			Synchronons generator operation	✓	✓		✓	✓	✓																												✓	✓
			Three phase synchronization problems																																		✓	✓
			Synchronons motor operation	✓	✓		✓	✓	✓																													
			Starting of synchronons motor.	✓	✓																																✓	✓
	Assesment Method			Written Exams, Assignments and Laboratory Work.																																		
EE 423	Power Electronics II	AC Voltage control	✓	✓	✓	✓	✓	✓																											✓			
		DC Choppers	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓																					
		Cyclo Converter & Frequency Changer																																				
		PWM Inverter	✓	✓																																✓	✓	✓
		Assesment Method			Written Exams, Assignments, Laboratory Work and Mini-Project.																																	

















			<b>Cost of Generation</b>	√				√	√	√			√			
			<b>Dispatch</b>	√				√	√	√			√			
	EE554	Power System 3	<b>Power System Harmonics</b>	√		√		√	√	√						
			<b>Reliability</b>	√				√	√	√						
			<b>Load Forecasting</b>	√				√	√	√						