

**MSc subjects offered by the Department of Electrical Engineering**

Subject Code	Subject Title	2020/21		2021/22		2022/23	
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
EE502	Modern Protection Methods		√		√		√
EE505	Power System Control and Operation			√			
EE509	High Voltage Engineering	√		√		√	
EE512	Electric Vehicles	√		√		√	
EE514	Real Time Computing		√				
EE520	Intelligent Motion Systems		√		√		√
EE521	Industrial Power Electronics		√		√		√
EE522	Optical Fibre Systems		√		√		√
EE524	Open Electricity Market Operation		√		√		√
EE526	Power System Analysis and Dynamics	√				√	
EE528	System Modelling and Optimal Control	√		√		√	
EE530	Electrical Energy Saving Systems	√		√		√	
EE533	Railway Power Supply Systems			√		√	
EE535	Maintenance and Reliability Engineering	√		√			
EE536	Signalling and Train Control Systems		√		√		√
EE537	Railway Vehicles	√			√		√
EE5381	System Assurance and Safety in Railways		√			√	
EE539	Aerospace Power Electronics and Actuation Systems			√			
EE545	Modern Generation and Grid Integration Technologies	√		√		√	
EE546	Electric Energy Storage and New Energy Sources for Electric Vehicles					√	
EE547	Electric Vehicle Charging Systems				√		
EE548	Advanced Electric Vehicle Technology						√
EE549	Modern Sensor Technologies			√		√	
EE552	High Speed Rail			√			
EE553	Railway Electronic Systems						√
EE560	Metros in Hong Kong and China				√		
EE570	Design and Analysis of Smart Grids		√		√		√

\*The Department reserves the right of NOT offering any one of the above subjects. The offer of subjects is subject to review and changes if deemed appropriate by the Department.

√ Evening Class

(last updated in Oct 2021)