

Electrical Engineering (Research-oriented course)

Sem	No.	Course	Code	Credit	BB/TC
1	1	Phylosophy	ML06001	3	BB
1	2	English	SN06003	2	BB
1	3	Optimization theory	CD06029	2	BB
1	4	Electrical power system calculation and analysis methods	CD06030	2	BB
1	5	Digital control	CD06031	2	BB
1	6	Measurement control communication systems	CD06032	2	BB
2	7	Renewable energy usage	CD06033	2	BB
2	8	Advanced power electronics	CD06034	2	BB
2	9	Electrical engineering research method.	CD06035	2	BB
2	10	Power system development plant	CD06036	2	BB
2	11	Programable control equipments	CD06037	2	BB
2	12	Microprocessors for measurement and control	CD07038	2	TC
2	13	Optimal and adaptive control	CD07039	2	TC
2	14	Fuzzy logic and control application	CD07040	2	TC
3	15	Sensors and actuators	CD07041	2	TC
3	16	Process control	CD07042	2	TC
3	17	Electrical energy storage and transformation technologies	CD07043	2	TC
3	18	Control position and motion	CD07044	2	TC
3	19	Power system automatic protection and control	CD07045	2	TC
3	20	Electrical network optimization	CD07046	2	TC
3	21	Power economics and management	CD07047	2	TC
3	22	Electrical power FACTS	CD07048	2	TC
3	23	Power system engineering softwares	CD07049	2	TC
3	24	Electrical power SCADA systems	CD07050	2	TC
3	25	Electrical networks digital relays and information systems	CD07051	2	TC
3	26	Economics and Resources Management	KT07022	2	TC
3	27	Advanced Enterprise Management	KQ07018	2	TC
3	28	Development and Enviromental Protection	MT06021	2	TC
4	29	Master's thesis	CD07998	9	BB

Note: BB: Compulsory; TC: Elective