

Electrical Engineering (Application-oriented course)

Sem	No.	Course	Code	Credit	BB/TC
1	1	Phylosophy	ML06001	3	BB
1	2	English	SN06003	2	BB
1	3	Digital control	CD06031	2	BB
1	4	Electrical engineering research method.	CD06035	2	BB
1	5	Process control	CD07042	2	BB
1	6	Theory and applications of optimization	CD06052	2	BB
2	7	Electrical power system calculation and analysis methods	CD06053	2	BB
2	8	Industrial Control and Supervisory Systems	CD06054	2	BB
2	9	Renewable energy usage	CD06055	2	BB
2	10	Applied power electronics	CD06056	2	BB
2	11	Power system development plant	CD06057	2	BB
2	12	Industrial PLC and CPU	CD06058	2	TC
2	13	Microprocessors for measurement and control	CD07038	2	TC
2	14	Optimal and adaptive control	CD07039	2	TC
2	15	Fuzzy logic and control application	CD07040	2	TC
2	16	Sensors and actuators	CD07041	2	TC
2	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	Electrical power FACTS	CD07048	2	TC
3	22	Electrical power SCADA systems	CD07050	2	TC
3	23	Electrical networks digital relays and information systems	CD07051	2	TC
3	24	Power economics and management	CD07059	2	TC
3	25	Power system engineering softwares	CD07060	2	TC
3	26	Economics and Resources Management	KT 07022	2	TC
3	27	Advanced Enterprise Management	KQ 07018	2	TC
3	28	Development and Enviromental Protection	MT06021	2	TC
4	29	Master's thesis	CD07995	9	BB

Note: BB: Compulsory; TC: Elective