

Study program: **Electrical Engineering**
 International option: **Advanced power systems**
 Subtitle for promotion: **Energy, ICT and Electronics**

Type	Code	1st semester	Department, professor
Compulsory (1st semester)	64216	Conventional Energy Sources	K2 – Čepin
	64215	Circuits and Signals in Power Engineering	K8 – Košir
	64237	Internet Networks I	K8 – Kos
	64224	Non-Linear Electronic Circuits	K3 – Topič
Elective (1st semester)	64254	Lighting	K2 – Bizjak
	64311	Communication Electronics	K8 – Zajc
	64239	Software for Communications Systems	K8 – Sedlar

2nd semester

Compulsory (2nd semester)	64284	Power System Protection and Control	K2 – Pantoš
	64271	Mobility and Internet of things (Module G)	K8 – Bešter
	64268	Modern Power Supplies (Module F)	K6 – Zajec
Elective (2nd semester)	64267	Power Engineering (Module E)	K2 – Mihalič
	64266	Alternative Sources of Electrical Energy and Energy Markets (Module E)	K2 – Čepin, Pantoš
	64299	Information and communication systems security (Module L - ENG)	K8 – Tomažič
	64243	Operations research in telecommunications (Module L - ENG)	K8 – Košir
	64258	Intelligent systems in decision support (Module A)	K7 – Škrjanc
	64259	Identification (Module A)	K7 – S. Blažič

3rd semester

Compulsory (3rd semester)	64301S	Internet services and applications (Module J)	K8 – Pogačnik, Sedlar
	64253	Photonics (Module D)	EL - Krč
	64283	Power System Dynamic Phenomena	K2 – Mihalič
	64309	Increasing Power System Transmission Capacity	K2 – Mihalič
Elective (3rd semester)	64253	Construction of Electronic Systems	K3 - Jankovec
	64220	Power Distribution and Industrial Systems	K2 – Bizjak
	64285	Power Quality	K2 – Blažič