

Power Electronics; [3 Cr. H]	0904428	Pre-req. [0904328]
<p>Introduction and applications; classification of Power conditioners; Power semiconductor devices: classification; V-I and switching characteristics; basic drive circuits and applications; line commutated converters; single-phase rectifiers: half-wave and full-wave rectifiers with freewheeling diodes; 3-phase half-wave and full-wave rectifiers; single-phase and 3-phase controlled and uncontrolled rectifiers; performance of rectifiers circuits; introduction to AC controllers; basics of DC-to-DC converters (choppers). Basics of DC-to-AC converters (inverters); applications: power supplies.</p>		