

## Electrotehnologii - proiect

### Obiectiv principal

Este una din disciplinele de specialitate ale planului de învățământ de la specializarea SE, având scopul de a prezenta studentilor problematica tehnologiilor neconventionale – electrotehnologiile, care, in contextul economic actual, prezinta in impact semnificativ. Sunt abordate probleme privind bazele teoretice, echipamentele specifice si aplicatiile industriale si in medicina. Implicatii ale electrotehnologiilor asupra calitatii mediului ambiant, atat in ceea ce priveste perturbatiile introduse de tehnologie cat si in ceea ce priveste impactul ecologic al produselor procesate sau al serviciilor sunt deasemenea abordate.

### Course Objective

It is one of the specialty disciplines of the SE specialization curriculum, aiming to present students with the issues of unconventional technologies - electrotechnologies, which, in the current economic context, have a significant impact. Problems concerning theoretical bases, specific equipment and industrial applications and in medicine are addressed. The implications of electrotechnologies for the quality of the environment, both in terms of the perturbations introduced by technology and in terms of the environmental impact of processed products or services, are also addressed.

### Proiect

1 ora/săptămână, total 14 ore

- Prezentarea temei de proiect. Date initiale. Particularizare. Bibliografie recomandata.
- Dimensionare circuit magnetic. Calculul parametrilor electrici si acustici.
- Elaborare program de calcul in Matlab sau Mathcad.
- Sustinere proiect

### Project

1 hour weekly, 14 hours total

- Presentation of the project theme. Initial data. Customize. Recommended bibliography.
- Magnetic circuit dimensioning. Calculation of electrical and acoustic parameters.
- Computational program development in Matlab or Mathcad.
- Project support