

Programme des cours de renforcement des formations doctorale de la Faculté de Technologie

Electrical engineering

1-Numerical Methods & Optimization (30 hours)

- I. Numerical calculation methods (DF, VF, EF, MI, etc.),
- II. Classical and intelligent optimization methods,
- III. Applications to electromagnetic systems.

2- Advanced electrical engineering (30 hours)

- I. Electromechanical energy conversion,
- II. Advanced power electronics,
- III. Stability, Control and planning of electrical networks,
- IV. Modeling, Identification and Control of electrical systems,
- V. Special electromechanical actuators