

Name of the course: **CAD TECHNIQUES IN ELECTRICAL ENGINEERING**

Field of study: Electrical Engineering

Level of studies: undergraduate studies

Duration of the course: Lectures – 15 hours, Laboratory – 15 hours (recommended)

Conducting unit: Department of Electrical Engineering of Transport Faculty of Electrical and Control Engineering

Subject supervisor: Andrzej Wilk, Ph.D., D.Sc., Eng., Associate Professor

Scope of the course:

- Creating and editing sketch geometry,
- 3D computer modelling, Creating assemblies from parts,
- Constraints of parts – inverse kinematics,
- Rendering, Animation of assemblies,
- Styles, cameras and lights in CAD programs,
- Advanced examples of the use of CAD techniques in electrical engineering.

Properly adapted lectures for undergraduate studies or postgraduate studies.