Name of the course: **ELECTROMECHANICAL MOTION DEVICES**  
Field of study: Automatic Control and Robotics  
Level of studies: undergraduate studies or postgraduate 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; Teachers: Ph.D., Eng. Leszek Jarzębowicz  

**Scope of the course:**  
- Principles of electromechanical energy conversion,  
- Modern motion devices for precise control of angular or linear position, velocity and acceleration,  
- Stepper motors and servo motors,  
- Linear motors, actuators and positioners,  
- Operating characteristics of electromechanical motion devices,  
- Applications of electromechanical motion devices in industry and hybrid/electric vehicles.  

Properly adapted lectures for undergraduate studies or postgraduate studies.