MODULES IN THE 2ND SEMESTER

Choose 2 elective modules from the track Cyber-Physical Systems:

Embedded Control:
- Design of Real-Time Embedded Systems
- Nonlinear Systems Analysis and Control
- Sensors and Actuators
- Overview of State-Of-The-Art Control Strategies
- Minor Projects

Advanced Vehicle Dynamics:
- Modeling, Simulation and Testing
- Comfort, Road Holding and Handling
- Passenger Cars, Articulated Vehicles, Motorcycles, Driver Modeling
- Minor Project

Watch the video about the module Advanced Vehicle Dynamics

Big Data & Small Data:
- Data Collecting, Exploration and Preprocessing for Machine Learning
- Machine Learning
- System Identification
- State and Parameter Estimation
- Advanced Modeling (Minor Project)

Watch the video about the module Big Data & Small Data