



Green Motion Summer Academy

Master course for e-mobility & renewable energy

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Introduction

Team

Corinna, Ulrike, Adám, Tibor, Sascha

Schedule

- Overview master course
- Separate mobility & renewable energy
- Summary & highlights

Overview and Conditions

Companies support education

Common first semester for basics

Separate e-mobility and renewable energy in second semester

First Semester

Subjects	ECTS
Advanced technical English	2
Economics	2
Higher advanced Mathematics	3
Electronic / Power electronic	6
Heat transfer and fluid dynamics	5
PV and alternative power	6
Intoduction Simulation	6
Total	30

e-mobility

2nd Semester Subjects	ECTS
Advanced simulation	5
Basics of vehicle construction	5
Telematic and automation	5
Advanced Driving Assisten Systems	5
Basics Dozenzs (Company based)	5
Impact on society	5
Total	30

3rd Semester Subjects	ECTS
Industry project	12
Storage	8
Environmental impacts	5
Advanced telematic or Advanced ADAS	5
Total	30

4th Semester	ECTS
Thesis Project	30

renewable energy

2nd Semester Subjects	ECTS
Advanced simulation	5
Urban energy economics	5
Electrical concepts for buildings	5
Heating concepts for buildings	5
Basics Dozens (Company based)	5
Impact on society	5
Total	30

3rd Semester Subjects	ECTS
Industry Project	12
Storage	8
Environmental impacts	5
Smart Grid DSM or Cooling systems	5
Total	30

4th Semester	ECTS
Thesis Project	30

Highlights and Summary

- **Strong cooperation between industry and University**
- **Environmental and societal aspects are taken into account**
- **limiting participants depending on industrial partners**

F&Q

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