

Consortium



European Certification &
Qualification Association



Contact

Project Coordinator:
Theodoros Kosmanis (Associate Professor)
Department of Industrial Engineering and
Management
International Hellenic University
Alexander University Campus
GR-57400, Sindos, Greece

info@edrivetour.eu

Find us

www.edrivetour.eu



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E-DRIVETOUR

**bEyonD the boRder of electrIc VEhicles:
an advanced InTeractive cOURse**



About

E-DRIVETOUR aims at the development of an **interactive course on electric vehicles with a comprehensive interdisciplinary curriculum that includes reconfigurable laboratory apparatus, innovative demonstrator group assignment and an industrial experience** to equip the participants with the necessary experience to enter the emerging market of Electric Mobility.

The course program will be implemented in the two hosting Universities, namely **International Hellenic University (GR) and Kazimierz Pulaski University of Technology and Humanities in Radom (PL)**, with the active participation of the **University of Craiova (RO)**.

A **total of 40 placements** will be available from the participating universities, where the students will be taught the same course simultaneously in order to have the same knowledge and understanding when they participate in the three large scale laboratories.



Curriculum structure

The **course duration is two months split in two terms**, scheduled for March 2022 and May 2022. **A third term devoted to practical experience** is scheduled for the summer 2022 (June-August).

The **main courses in the curriculum** cover vehicle modelling, formulation, analysis and implementation of simulation tools for **advanced engineering problems, real life technical hands-on problems and maintenance techniques designed for EVs, as well as market insight, business and innovation**.

The students will participate in **248 teaching hours** (a mix of classroom and laboratory time) and will be awarded the equivalent ECTS credits. The **workload of 520 hours** (248 teaching and 272 additional working hours) corresponds to 20 ECTS credits, while an additional 10 hour time of workload is foreseen for the students to write a report after the demonstrator phase.

Certification

A blend of educational approaches are implemented in order to reach the final **certification of the Expert in "Electric Vehicle Technology"**. Traditional in-class teaching will be combined with web and laboratory courses to develop a students' background that will be taken advantage of in order to deal with the two medium sized, practical, augmented reality oriented projects. Successful delivery of the projects' report together with a 14-day practical training in the project's industrial partner premises will ultimately lead to the certification.

Mobility

E-DRIVETOUR is designed to include **three mobility periods** for the participating students and three for the educators. For the first two (14-day) periods the students and educators from two universities will travel to the third one to participate in the large scale laboratories.

The final mobility period is reserved only for the participating students and its duration is also 14 days. During this period, the students will have a unique chance to apply all the knowledge that they learned during the course and also learn new on-the-job techniques.

Mobility periods:

- **1: March 2022**
- **2: May 2022**
- **3: June-August 2022**



E-Learning platform

An advanced e-Learning platform will offer **teaching material, online experimentation and networking between the students**.

Available at: <http://edrivetour.ea.consulting/>

