PhD course (6 ECTS) Educational Learning Modules on Li-ion batteries

For 2024 course consists of 3 modules: Online Lectures, Project Work and Summer School. Each module can be taken separately or together with other modules.

Registration
October 2023

Online lectures
March 2024
Price: 50 € 2 ETCS

Project work
April 2024
Price: 50 € 2 ETCS

Summer school
August 2024
Price: 300 € 2 ETCS

Total price: 400 € 350 €

ELMO-LION.COM
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Module 1
Online lectures
March - June 2024
2 ETCS, 50 €
This Module includes number of broad topics in the field of batteries.
First principles of the Li-ion batteries
Synthesis of the battery materials
Recycling strategies for Li-ion batteries
Spectroscopic methods
Battery market
Diagnostic and operation
All lectures are conducted online through the CEPHEI education platform and are presented by the real experts in the battery area.
Quizzes follow each lecture; you need a minimum score of 80% on all quizzes to get credits.

Module 2
Project work
April - July 2024
2 ETCS, 50 €
The project work module entails collaborative group projects culminating in a comprehensive report.
Students will receive a curated set of topics reflecting the current challenges and requirements of industrial partners.

Module 3
ELMO-LION Summer school
Italy
August 2024
2 ETCS, 300 €
The duration of Summer school is 5 days.
The lectures and seminars from industrial and academy partners
Working on the developing ideas for solving industrial challenges under the mentor’s supervision
Each student is expected to develop individual solutions for the assigned case.
Start-up application