Summer course @ Uppsala University: ”Batteries for Electromobility”

**Academic credits:** 7.5 ECTS/hp  
**Given when:** w 24-28, i.e. 8th June – 10 July

*All teaching done on-line.*  
**Requirements:** Basic chemistry, Swedish gymnasium level or equivalent

**Target group:** Engineers and industry involved staff in need of in-depth knowledge about batteries

**Given by:** The Ångström Advanced Battery Centre at Uppsala University

**Course content:**
- Primary and secondary batteries and their role in the energy system.
- Different battery chemistries.
- Battery capabilities: power, energy, cyclability, etc.
- Li-ion batteries: materials and components.
- Next generation batteries.
- Battery production.
- Battery diagnostics and modelling of batteries.
- Battery ageing.
- Use of batteries in different types of electric vehicles.
- Safety, cost and environmental aspects regarding vehicle batteries.

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**Apply how?**

Course code: 1KB276  
[www.antagning.se](http://www.antagning.se)  
NB! 50 students maximum  
”Late registration” possible – for some time still.