



F4H5405 Corrosion Science 7.5 credits

Korrosionslära, doktorandkurs

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for F4H5405 valid from Spring 2014

Grading scale

undefined

Education cycle

Third cycle

Specific prerequisites

Master of Science degree with major in chemistry, physics or materials science

Introductory lecture provides the necessary background.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

To understand the fundamental mechanisms for the most important forms of corrosion attack.

Course contents

24 lectures by scientists within each form of corrosion attack.

Course literature

Valda kapitel i “Corrosion Mechanisms in Theory and Practice”, 3rd edition, Ed. P. Marcus, CRC Press, Taylor & Francis Group, Boca Raton FL (2012).

Selected chapters in “Corrosion Mechanisms in Theory and Practice”, 3rd edition, Ed. P. Marcus, CRC Press, Taylor & Francis Group, Boca Raton FL (2012).

Examination

Based on recommendation from KTH’s coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Written examination

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.