



ME2302 Knowledge Formation in Technology and Natural Science 6.0 credits

Kunskapsbildning inom teknik och naturvetenskap

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 ME2302 valid from Spring 2012

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

4D1112 Engineering, Technique and Humanities.ME1302 Technology-Business-Leadership

Only for CINEK3.

Language of instruction

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

Intended learning outcomes

- Be able to give an account of different ways of understanding technique/technics, technology and technological development in today's society
- Be able to explain how these concepts are related — are influenced by and influence — science and scientific traditions of thought.
- Be able to account for how the aforementioned concepts are related to ideological and religious doctrines.
- By means of the conceptual apparatus that the course has discussed, be able to scrutinise the knowledge that you have acquired during your studies at KTH.
- Be able to critically reflect on the role of the engineer in the technologically oriented society of today, where technological development is often seen as a measurement of success and welfare, and a remedy to societal problems.

Course contents

The course consists of a series of lectures which treat different perspectives on technique/technics, technology, and technological development in today's society. This series is complemented by a number of texts from different traditions of thought, along with continual individual work on a number of individual assignments closely related to the literature and the lectures.

Supposedly, the most central moment of the course, and the kind of learning process it strives to accomplish, consists in reflection through continuous reading, and through continuous writing.

Course literature

To be announced

Examination

- LITA - Literature, 3.0 credits, grading scale: P, F
- LITB - Literature, 3.0 credits, grading scale: A, B, C, D, E, FX, F

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.

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.