



LUNDS UNIVERSITET
Lunds Tekniska Högskola

Course syllabus

Teknikhistoria

History of Technology

EITA05, 4,5 credits, G1 (First Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED C/D

Date of Decision: 2023-04-18

General Information

Elective for: B4, BI4, BME4, C4, D4, E4, F4, I4, K4, N2, Pi4, W3

Language of instruction: The course will be given in Swedish

Aim

The purpose of the course is to provide insight into and understanding of the possibilities and limitations of today's and tomorrow's technological development through historical examples from technology, social and natural sciences. The course also links technical development to human conditions and the development of society in the broadest sense, thereby integrating many sciences.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- have achieved an understanding for how human technology has arrived at today's usage

Competences and skills

For a passing grade the student must

- have trained and acquired a skill to write meditative essays in a less technical style
- be able to treat and structure new information intellectually in order to acquire mature knowledge

Judgement and approach

For a passing grade the student must

- be knowledgeable enough to relate technical development to the historical course of the society and to understand their mutual interaction

Contents

Historical examples from various scientific areas, natural and social science and technology, are interwoven to yield a general overview and illustrate the development in the history of science and ideas. For this reason the course relies upon the participation of guest lecturers representing different disciplines.

Examination details

Grading scale: TH - (U,3,4,5) - (Fail, Three, Four, Five)

Assessment: For mark 3 (pass), attendance of at least 75% of lectures and seminars, and written reflections based on each of these, are required. For marks 4 and 5, an additional individual study has to be presented in writing and orally.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Admission

The number of participants is limited to: No

The course overlaps following course/s: GEMA50, TNX160

Reading list

- Hansson, Staffan: Den skapande människan. Studentlitteratur , 2002, ISBN: 9789144021485.
- Sundin, Bosse : Den kupade handen. Carlsson Bokförlag, 2006, ISBN: 9789173310154.
- Gribbin, John: Science: A History. Penguin Books, 2002, ISBN: 9780140297416.
- Lecture slides.

Contact and other information

Course coordinator: Kaan Bür, kaan.bur@eit.lth.se

Course homepage: <http://www.eit.lth.se/course/eita05>

Further information: Lectures and seminars given mainly on Monday evenings during the entire spring semester.