

Teknikhistoria

- EITA05 -

Kaan Bür, 2017

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EITA05 – Teknikhistoria

<http://www.eit.lth.se/kurs/eita05>

- Optional for many programs
- G1 (grundnivå)
- 4½ credits



Course Objectives

- Appreciation of technological development
 - Historical examples
 - Insight and understanding
- Link between technological and societal development



Intended Learning Outcomes

1. *Knowledge and understanding:*

- a) **Follow** technological development;
- b) **Be able to explain** how humanity has been making use of technology.



Intended Learning Outcomes

2. *Skills and abilities:*

- a) **Write** own reflections on technological development based on the examples seen;
- b) **Process** new information and enhance existing own knowledge.



Intended Learning Outcomes

3. *Critical judgement and evaluation:*

- a) **Be able to reflect** the development of technology onto other historical developments which had an impact on society, and **understand** mutual effects .



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Course Structure

- 14+1 lecture seminars
 - by teachers and/or experts
 - on Mondays, 18:15 – 20:00
- Reflections (mandatory)
- Project (optional)



Marks

- Mark 3
 - Presence in 11 of the 15 upcoming seminars
 - Submission of personal reflections on these
- Mark 4 and 5
 - Individual report to be discussed with Kaan
 - Presentation in our last lecture



Topics

1. Paradigmskiften
2. Ingenjörer på film
3. Matematisk analys
4. Brobyggande ingenjörer
5. Ericssons historia
6. Tidmätning
7. Kina
8. Christopher Polhem
9. Industri i Sverige
10. Djävulens kemister
11. Vattnet
12. Tekniken i hemmet
13. Medicinska strålningsfysik
14. Historien om nätet



Reflections

- Via EIT moodle system
 - <http://elearning.eit.lth.se/moodle>
 - Enrollment key **LtH-2017-Th**
- Same rules apply as in a written test
 - Individual work (**no groups**) about 150-200 words
 - Original answers (**no copy/paste**)



Individual Report/ Term Paper

- Optional
- Deeper individual study
- You can propose your own topics
- Short report and presentation in class
- More information at start of LP2



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Literature

- Lecture slides will be made available on the moodle, (hopefully) prior to each seminar



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Staff

Course head: Kaan Bür
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Lecturers: *too many to list here, see*
<http://www.eit.lth.se/index.php?ciuid=1052&coursepage=6393>

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Most Importantly

ENJOY THE COURSE!