

# Teknikhistoria

## - EITA05 -

Kaan Bür, 2018

[kaan.bur@eit.lth.se](mailto:kaan.bur@eit.lth.se)





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# EITA05 – Teknikhistoria

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

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



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## Course Objectives

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



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# Intended Learning Outcomes

## 1. *Knowledge and understanding:*

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



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# Intended Learning Outcomes

## 2. *Skills and abilities:*

- a) **Write** own reflections on technological development based on the (historical) 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 lecture seminars
  - by teachers and/or experts
  - on Mondays, 18:15 – 20:00
- Reflections (mandatory)
- Project (optional)
  - project seminars (equivalent to 2 lectures)



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# Marks

- Mark 3
  - Presence in 12 of the 16 upcoming seminars (75%)
    - Final seminar (student presentations) counts as two lectures!
  - Submission of personal reflections on these
- Mark 4 and 5
  - Individual report to be discussed with Kaan
  - Presentation in our last lecture





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## Topics

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



## Reflections

- **Swedish or English** –you decide!
- Via EIT moodle system
  - <http://elearning.eit.lth.se/moodle>
  - Enrollment key **tH-2018-LtH**
- Same rules apply as in a written test
  - Individual work (**no groups**) about 150-200 words
  - Original answers (**no copy/paste**)



## Reflections tips

- **GOOD**
  - Links to societal development
  - Parallels to other technological fields or science and technology in general
- **BAD**
  - Summary of lecture contents without any interpretation
  - Comments on the lecturer's performance



## Reflections timeline

- One week to submit
  - From Monday 20:00 to next Monday 18:00
- Review (by Kaan) within two weeks
  - Second chance to revise and resubmit
- Last chance right after the finals



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## Special Announcement

- Anteckningsstöd
  - I år behöver vi någon som kan dela med sig av sina anteckningar till en medstudent som har svårt att själv ta anteckningar.
  - Som tack för anteckningsstödet tjänar man 45:-/h.
  - Intresseanmälan till Kaan!



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## 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  
[kaan.bur@eit.lth.se](mailto:kaan.bur@eit.lth.se)

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

Course admin: Anne Andersson  
[anne.andersson@eit.lth.se](mailto:anne.andersson@eit.lth.se)





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**Most Importantly**

**ENJOY THE COURSE!**