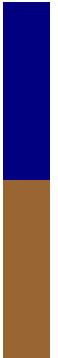


Teknikhistoria

- EITA05 -

Kaan Bür, 2019
kaan.bur@eit.lth.se



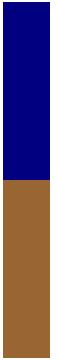


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EITA05 – Teknikhistoria

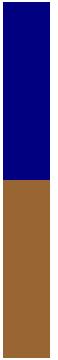
<http://www.eit.lth.se/kurs/eita05>

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



Course Objectives

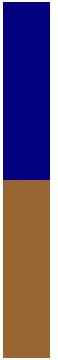
- Appreciation of technological development
 - Historical examples
 - Insight and understanding
- Link between technological and societal development



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Intended Learning Outcomes

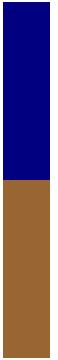
1. *Knowledge and understanding:*
 - a) **Follow** technological development;
 - b) **Be able to explain** how humanity has been making use of technology.



Intended Learning Outcomes

2. *Skills and abilities:*

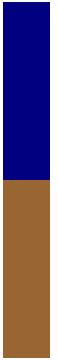
- a) **Write** own reflections on technological development based on the (historical) examples seen;
- b) **Process** new information and enhance existing own knowledge.



Intended Learning Outcomes

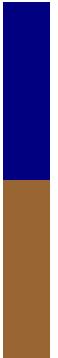
3. *Critical judgement and evaluation:*

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



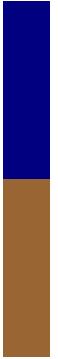
Course Structure

- 14 lecture seminars
 - by teachers and/or experts
 - on Mondays, 18:15 – 20:00
- Reflections (mandatory)
- Project (optional)
 - project seminars (equivalent to 2 lectures)



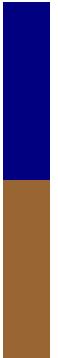
Marks

- 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



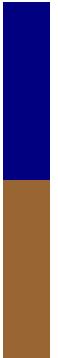
Topics

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



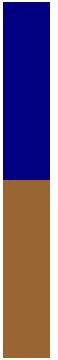
Reflections

- Swedish or English –you decide!
- Via EIT moodle system
 - <http://elearning.eit.lth.se/moodle>
 - Enrollment key **19-LtH-05eita**
- Same rules apply as in a written test
 - Individual work (**no groups**) about 150-200 words
 - Original answers (**no copy/paste**)



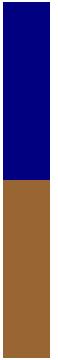
Reflections tips

- 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

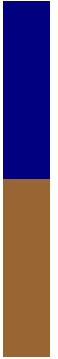
- Six days 4 hours to submit
 - From Monday 20:00 to Sunday 23:59
- Review (by Kaan)
 - Second chance to revise and resubmit
- Third and last chance right after the finals



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Individual Report/ Term Paper

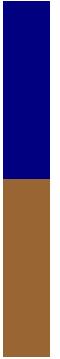
- Optional
- Deeper individual study
- You can propose your own topics
- Short report and presentation in class
- More information at start of LP2



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Literature

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



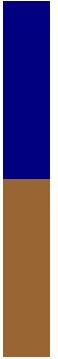
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Staff

Course head: Kaan Bür
kaan.bur@eit.lth.se

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

Course admin: Erik Göthe
erik.gothe@eit.lth.se



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Most Importantly

ENJOY THE COURSE!