

T-106.290 Ohjelmistotekniikan laboriotyöt
2–5 ov

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Prerequisites

- Majoring in Computer Science (T-koulutusohjelma)
- T-93.210 Ohjelmoinnin peruskurssi T1, or corresponding
- T-106.230 Ohjelmoinnin peruskurssi T2, or corresponding
- T-106.250 Tietorakenteet ja algoritmit, or corresponding
- Basic knowledge in statistics recommended

Staff

- Researcher Kenneth Oksanen
 - Lectures, administration
- Assistant Ville Nenonen
- Assistant Mikko Rahikainen
- Assistant Jussi Rautio

Communication

- From staff to students:
`http://www.cs.hut.fi/Opinnot/T-106.290/`
 - We expect you to read it frequently!
- From students to staff: mail `cessu@cs.hut.fi` or your assistant
 - Begin the subject with “T-106.290” in order to distinguish from spam
- *No* news group
- Appointments according to demand, by agreement

Goal

Learn about technology evaluations and experimental algorithmics.

Learn to write technical reports and scientific papers.

Schedule

- Tentative, changes still possible
- Strict!
- Lectures for ~ 4 times early in course, Tuesdays 8:15 in lecture hall T1.

27. Jan - 3. Feb Enrollment

17. Feb Deadline for literature review

24. Feb Deadline for experimental design

1.-5. Mar Discussions

16. Mar Deadline for implementation.

22.-26. Mar Discussions

30. Mar Deadline for first version of final report

6. Apr Deadline for peer reviews

16. Apr Deadline for final report

End of April Miniconference

Grading

15% Literature review

15% Experimental design

10% Peer review

60% Final report

10% Bonus for miniconference presentation (2–4 groups)

Enrollment

1. Form groups of 2-3 persons.
 - One-person groups are possible but not recommended.
 - Group size does not affect grading – a larger group gets the same grade for the same work as a smaller.
2. Estimate how much time you can invest in the course and discuss the grade you aim at.
3. Choose an ordered list of three most preferred topics (own topics are possible).
4. Write an email to `cessu@cs.hut.fi`
5. Within a few days I will reply with a mail message that assigns you the topic and an assistant.

To: cessu@cs.hut.fi

Subject: T-106.290 Enrollment

We'd like to enroll:

Matti Meikäläinen meikkis@iki.fi 12345a

Tiina Teikäläinen teikkis@iki.fi 23456b

The topics we prefer, in decreasing order to preference is:

- 1) Effect of Cache on Algorithms
- 2) Programming Language Comparisons for Numerical Computations
- 3) String Searching Algorithms

We need perform the course with at least 4 cr's, aim to a grade of at least 3, and we are both prepared to invest at least 20 full work days to reach this. We are willing to present our work in the miniconference.