INF5040
Open Distributed Systems

Course overview

Lecturers: Frank Eliassen (frank)
Roman Vitenberg (romanvi)

Course assistant:
Joakim Fiskvik (joakimfi)

Lectures and exercises

➢ **Excercises**
  ➢ Thursday   10:15 -12:00, seminar room 3B, Informatikkbygningen
  ➢ First time 6. September
➢ **Lectures**
  ➢ Tuesday 14:15-16:00, Lille Aud, Informatikkbygningen
  ➢ First time right now…

Learning goals

➢ Provide a basic understanding of
  ➢ fundamental principles, concepts and state-of-the-art
  ➢ key technologies for realising distributed interactive systems of the future
➢ Gain practical experience with a state-of-the-art platform to realise a distributed application
➢ Provide knowledge about today's challenges to open distributed processing technology, including
  ➢ multimedia
  ➢ mobility

Course elements

➢ 13 lectures
  ➢ overview
➢ 6-7 excercises
  ➢ Introduction to Mandatory programming exercise
  ➢ Programming exercise (small project)
  ➢ A few theoretical exercises
➢ Mandatory programming
➢ Student presentations and opposition

Student presentations

➢ Performed in groups of three
➢ Each group is assigned a topic to be presented
➢ For each presentation an other group will be assigned the task of acting as opponents
➢ Each group presents once and acts as opponents once
➢ Duration of presentation: 30 min
➢ Duration of opposition and discussion: 15 min
➢ Creation of groups managed by course assistant

Syllabus

➢ Taken from

  ➢ G. Coulouris, J. Dollimore, T. Kindberg, "Distributed Systems – Concepts and Design", fourth edition, Addison-Wesley.

  ➢ A. Tanenbaum, M. van Steen, "Distributed Systems – Principles and Paradigms", 2nd edition, Prentice-Hall

➢ The topics your are presenting or acting as opponent for you should have detailed knowledge on

➢ Other presentations you should know at a cursory level

➢ A detailed plan will be provided later (also see lecture plan)

Quality assurance at the Department of informatics

- ➢ As a student you have the right and duty to contribute to the quality assurance of your study program. This is done primarily by participating in <u>midt term evaluation</u>. The course lecturer will initiate the mid term evaluation for each course
- ➢ The mid term evaluation provides you with the opportunity to give feed back and suggestions regarding the teaching during the semester, to ensure that improvments can be done during the course
- ➢ You may find more information on the main page of Institutt for informatikk under "Annet" – "Kvalitetssikring", or by following the link: http://www.ifi.uio.no/studinf/kvalitetssikring/studenter