1DT052
Computer Networks I

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Consultation Hours:
(Wed) 1-2pm
(Fri) 1-2pm
Organization of the Course

♦ Lectures
♦ Labs
♦ Assignment
♦ Examination

Visit our course web page:
http://www.it.uu.se/edu/course/homepage/datakom/ht12
Nature of the Course

♦ The course combines theoretical and practical understanding on the design and operations of computer networks and network protocols.

♦ The theory part of the course consists of a series of lectures.

♦ Laboratory exercises and assignment comprise the practical part.
What You Will Learn

♦ Basic principles and applications of computer networks and the Internet.

♦ The operations of different layers in the Internet protocol stack.

♦ Issues like network security to most current and relevant networking technologies.

♦ Practical experience on designing small computer networks and understanding network protocols.
Other Related Courses

- Distributed Systems (1DT064)
- Computer Networks II (1DT074)
- Computer Networks III (1DT082)
- Wireless Communication and Networked Embedded Systems (1DT077)
Required Textbook

Jim Kurose, Keith Ross
Addison-Wesley, 2012.
Suggested References


Coursework

♦ 2 Labs and 1 assignment
♦ Final Examination
Grading

♦ To pass the course, you need to:
  – get more than 70 marks in your labs and assignment.
  – get more than 60 marks in your final exam.

♦ Lab part is either Pass or Fail.

♦ Final grade according to your final exam:
  >60 grade 3
  >75 grade 4
  >90 grade 5
More about your labs…

♦ Tutors:
  – Fredrik Bjurefors, Hjalmar Wennerström and Volkan Cambazoglu

♦ 2 Labs:
  – Snoop
  – Routing

♦ 1 Assignment
Course Outline

♦ Ch. 1: Computer Networks and the Internet
♦ Ch. 2: Application Layer
♦ Ch. 3: Transport Layer
♦ Ch. 4: Network Layer
♦ Ch. 5: Link Layer
♦ Ch. 8: Security in Computer Networks
♦ Ch. 6: Pervasive Computing
Welcome 😊