Internet Measurement

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General information (1)

- Area: BKS – Hauptstudium Vertiefer (Diplom) or KT (Kommunikationstechnologie, Master Info)
- Time
  - Wednesday: 10:00 – 12:00
- Room
  - MA 042
- Language
  - English (questions can be asked in German!)
- Web site
  - http://www.net.t-labs.tu-berlin.de/teaching/ss08/IM_lecture/
- Mailing list
  - see Web page
General information (2)

- Prerequisite:
  - Grundstudium
  - NPA, TKN or equivalent knowledge of the Internet

- Lecture with worksheets
  - Lectures
  - Worksheets: roughly four
  - Discussion of worksheets
  - In total: 2 SWS
    Bonus on exam grade:
    - 0.3 depending on worksheet solutions (> 50%)

General information (3)

- Exam
  - For those that need it 😊
  - Oral exam after semester end
What is this course?

- Not an introduction on the Internet
- Focus: Measuring the Internet
  - Methodology
    - Why to measure
    - How to measure
    - How to interpret measurement results
    - How to do performance evaluation
  - How does the Internet actually look like
    - Application characteristics
    - Traffic characteristics
    - Topology / route choice

Reading

- Crovella and Krishnamurthy
- Raj Jain
  The Art of Computer Systems Performance Analysis
  Wiley & Sons, New York, 1991
- Kurose and Ross:
  Fourth edition, Addison-Wesley, 2007
  Preliminary first edition online: student (quarter24)
- ... see Web