

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:
Computer Networking: A Top-Down Approach Featuring
the Internet.
Fourth edition, Addison-Wesley, 2007
Preliminary first edition online: student (quarter24)
- ❑ ... see Web