

Internet Measurement

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General information (1)

- Area
 - Master (Informatik): Kommunikationsbasierte Systeme
 - Bachelor (Informatik): Kommunikationstechnik
 - Master (techn. Informatik): Techn. Anwendungen
- Time
 - Monday: 14ct
- Room
 - MAR 0.002
- Language
 - English (questions can be asked in German!)

General information (2)

- Web site

- <http://www.inet.tu-berlin.de/menue/teaching0/ss2017/im17/>

- ISIS

- <https://www.isis.tu-berlin.de/>

- Prerequisite:

- Grundstudium / Bachelor
- NPA, TKN, or equivalent knowledge of the Internet

General information (3)

- Lectures with integrated exercises
 - Lectures
 - Practical exercises in class
 - Good participation will lead to *bonus* on grade
 - Passing of the exam *necessary* to get bonus
 - *2 SWS / 3 LP*
- Exam
 - For those that need it 😊
 - Oral exam after semester end

What is this course about?

- *Not* an introduction to 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

Mark Crovella, and Balachander Krishnamurthy.
Internet Measurement: Infrastructure, Traffic and Applications. Wiley, 2006.

Raj Jain.
The Art of Computer Systems Performance Analysis. Wiley & Sons, New York, 1991.

Jim Kurose, and Keith Ross.
Computer Networking: A Top-Down Approach Featuring the Internet. Fifth edition, Addison-Wesley, 2009.
Preliminary first edition online: student (quarter24).

... see Web