Internet Measurement

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General information (1)

- **Area:**
  - Diplom (Informatik): BKS – Hauptstudium Vertiefer
  - Master (Informatik): Kommunikationsbasierte Systeme
  - Bachelor (Informatik): Kommunikationstechnik
  - Master (techn. Informatik): Techn. Anwendungen

- **Time**
  - Tuesday: 10:00 – 12:00

- **Room**
  - TEL 1118/19

- **Language**
  - English (questions can be asked in German!)
General information (2)

- Web site
  - http://www.inet.tu-berlin.de/?id=im12

- ISIS
  - https://www.isis.tu-berlin.de/course/view.php?id=6156

- Prerequisite:
  - Grundstudium
  - NPA, TKN or equivalent knowledge of the Internet
General information (3)

❖ Lecture with integrated exercises
  ❖ Lectures
  ❖ In class practical exercises
    • 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
General information (4)

- Co-Lecturer: Dr. Nikolaos Chatzis
- Past:
  - National Technical University of Athens
    - Diploma in Electrical & Computer Engineering
  - Fraunhofer Institute FOKUS & TU Berlin
    - Ph.D. in Computer Science (Networking)
- Now:
  - T-Labs & TU Berlin (FG INET)
    - Postdoc in Networking
- Research areas:
  - Traffic monitoring and analysis, passive and active measurements of Internet infrastructure components
What is this course?

- 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

  Preliminary first edition online: student (quarter24)
- ... see Web