Network Protocols
and Architectures

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General information (1)

- **Area:**
  - Informatik Diplom: BKS – Hauptstudium-Vertiefer
  - Informatik Bachelor: Communication Technology
  - Informatik Master: Communication-based Systems
  - See Web page for further areas

- **Master/Bachelor Module:**
  "Netzwerkarchitekturen – Grundlagen (MINF-KT-NA/Glg.W13)"
  (BA/MA: With tutorial only)

- **Time and room**
  - Wednesday: 10:00 – 12:00 English MA 042

- **Web site**
  - [http://www.inet.tu-berlin.de/menue/teaching0/ws201314/npa13140/](http://www.inet.tu-berlin.de/menue/teaching0/ws201314/npa13140/)

- **ISIS**
  - [https://www.isis.tu-berlin.de/2.0/course/view.php?id=349](https://www.isis.tu-berlin.de/2.0/course/view.php?id=349)
General information (2)

- Prerequisite:
  - Grundstudium or similar

- Tutorials
  - Homework assignments
  - Recitation sessions
General information (3)

- Options
  - BA/MA/DA: 4 SWS or 6 LP for Lecture + Tutorial
    - 50 % of exercise points => passed tutorial
  - Bonus on exam grade (only valid for current term):
    - 60 % of exercise points => 0.3 bonus for exam grade
    - 75 % of exercise points => 0.7 bonus for exam grade
  - DA only: 2 SWS for Lecture only

- Registration for tutorials
  - Via ISIS
    - https://www.isis.tu-berlin.de/2.0/course/view.php?id=349
  - Please fill out questionnaire
General information (4)

- Tutors
  - Arne Ludwig (tutorial management)
  - Juhoon Kim
  - Franziska Lichtblau
  - Philipp Richter
  - Florian Streibelt

- Exam
  - For those that need it 😊
  - Written exam Feb. 2014
General information (5)

- **Homework**
  - Start: After second lecture
  - Hand-in by Wednesday before 10 am
    - Online via ISIS
    - Offline via Postbox in Telefunkengebäude
    - One solution per person
    - Group discussions OK but no verbatim solutions!!!
  - Plagiarism: Not allowed
    (Copy from Internet, text book, each other, ...)
    - No points for complete assignment (first occurrence)
    - Exclusion from class (repeat offenders)

- **Tutorial**
  - Start: After third lecture
Exam

❖ For those that need it 😊
❖ Written Exam
  ❖ Date: **Feb. 2014**
  ❖ Registration: Until **6. Feb. 2014 noon**
    • Via ISIS
    • MA/BA students: Module registration (including signature)
      – Hand-in with homework solution
  ❖ Language
    • English / German
  ❖ Aids (Hilfsmittel)
    • Closed book exam
    • 1 sheet of paper (max DIN A4)
What is this course?

- Principles on which the Internet relies
- Goals
  - Identify, study common architectural components, protocol mechanisms
- Examples
  - Internet architecture
  - Network application protocols
- Principles
  - State handling, Randomization, Indirection, Virtualization, ...
Background reading

  Preliminary edition online: student (quarter24)

- Peterson, Davie: Computer Networks. A systems approach Morgan Kaufmann

- ... see Web