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.W09)”
(BA/MA: With tutorial only)

Time and room
- Wednesday: 10:00 – 12:00 German MA 042
- Thursday: 12:00 – 14:00 English MA 043

Web site
- http://www.net.t-labs.tu-berlin.de/teaching/ws0910/NPA_lecture/

ISIS
- https://www.isis.tu-berlin.de/course/view.php?id=2172
General information (2)

- Prerequisite:
  - Grundstudium or similar

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

Options

- 4 SWS or 6 LP for Lecture + Tutorial
  - 50 % of exercise points => passed tutorial

  **Bonus on exam grade:**
  - 60 % of exercise points => 0.3 bonus for exam grade
  - 75 % of exercise points => 0.7 bonus for exam grade

- Diplom students: 2 SWS for Lecture only

Registration for tutorials

- Via ISIS
  - [https://www.isis.tu-berlin.de/course/view.php?id=2172](https://www.isis.tu-berlin.de/course/view.php?id=2172)
General information (4)

- **Tutors**
  - Fabian Schneider (Tutorial management)
  - Bernhard Ager
  - Jan Böttger
  - Oliver Hohlfeld
  - Nadi Sarrar
  - Doris Schiöberg

- **Exam**
  - For those that need it 😊
  - Written exam 19. Feb. 2010
General information (4)

- **Homework**
  - Start: After *second* lecture
  - Hand-in by Thursday before 12pm (noon)
    - Online via Moodle
    - 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: **19 Feb. 2009, 10 a.m. to 12 p.m**
  - Room: **tba** (Architecture Building)
    - Hand-in with homework solution
    - MA/BA students: Module registration (including signature)
    - Diplom students: Form

- Language
  - English / German

- Aids (Hilfsmittel)
  - Closed book exam
  - 1 sheet of paper (max DIN A4)
What is this course?

- Introduction on how the Internet works
- Focus:
  - Internet architecture
  - Network application protocols
  - TCP
- Other topics include
  - Routing, P2P
  - Quality of service (QoS)
Reading

- Kurose and Ross:
  Fifth edition, Addison-Wesley, 2007
  Preliminary edition online: student (quarter24)

- Peterson, Davie:
  Computer Networks. A systems approach
  Fourth edition, Morgan Kaufmann 2007

- ... see Web