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.W11)”
(BA/MA: With tutorial only)

Time and room
- Wednesday: 10:00 – 12:00 German MA 042
- Thursday: 14:00 – 16:00 English MA 043

Web site
- http://www.inet.tu-berlin.de/?id=npa1112/

ISIS
- https://www.isis.tu-berlin.de/course/view.php?id=5258
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:**
    - 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/course/view.php?id=5258](https://www.isis.tu-berlin.de/course/view.php?id=5258)
  - Please fill out questionnaire
General information (4)

- Tutors
  - Nadi Sarrar, Oliver Hohlfeld (Tutorial management)
  - Doris Schiöberg
  - Juhoon Kim
  - Srivatsan Ravi
  - Benjamin Frank

- Exam
  - For those that need it 😊
  - Written exam 21. Feb. 2011 from 10:00 s.t. to 12:00
General information (5)

Homework
- Start: After second lecture
- Hand-in by Thursday before 12pm (noon)
  - 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: 21 Feb. 2011, 10 a.m. to noon
  ☐ Room: A151 (Architecture Building)
  ☐ Registration: Until 7. Feb. 2010 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)
- ... see Web