

Praktikum Protokolldesign

Wintersemester 2007/2008
TU Berlin, FG INET

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[http://www.net.t-labs.tu-berlin.de/teaching/
ws0708/PD_labcourse/](http://www.net.t-labs.tu-berlin.de/teaching/ws0708/PD_labcourse/)

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General Information

- ❑ Area: Betriebs- und Kommunikationssysteme
- ❑ Tutorial: Tuesday 14:00h – 16:00h
- ❑ Discussion Groups: tba
- ❑ Language:
 - Tutorial: German
 - Slides: English (maybe also German)
 - Discussion groups: your choice
- ❑ Web site: http://www.net.t-labs.tu-berlin.de/teaching/0708/PD_labcourse/
- ❑ Contact: praktikum@lists.net.t-labs.tu-berlin.de

Contents

- ❑ Logfile and/or packet trace analysis
- ❑ Socket (network) programming
- ❑ Design and implementation of network protocols:
 - Peer-to-Peer protocol. Atop the P2P protocol we will design and implement:
 - Routing protocols
 - File exchange
 - Transport protocol

Organization

- ❑ Tutorials (Zentralübung):
 - Tue, 14h-16h**, Telefunken building, 20th floor
 - Handout of new work sheet
 - Introduction to the sheet, hints, questions, background infos
 - Not compulsory but strongly suggested
- ❑ Working time: 1 week
- ❑ Work in teams of two
- ❑ Electronic submission: **Tue, 11:59h s.t.**

Organization

- ❑ Debriefing: weekly discussion groups
 - Work sheet is only complete **after** debriefing
 - Our computer pool room: Telefunken 15th floor
 - Time: tba
- ❑ We **strongly** suggest PERL
- ❑ PERL introduction will be given
- ❑ Alternatively: C, C++, JAVA
- ❑ Other programming languages after arrangement

Discussion Groups

- ❑ **Attending is compulsory**
- ❑ Approx. 4 teams per discussion group
- ❑ One team presents their solution
- ❑ What did you do? Where were the problems
- ❑ Afterwards: Other teams are debriefed
- ❑ **Both team members must be able to explain the code / the solution!!**

Grading

- ❑ At least 25% per sheet (one sheet free)
- ❑ Code **and** debriefing
- ❑ Points can be refurbished
- ❑ Attending the discussion groups is **compulsory**
- ❑ Final grading key: tba
- ❑ **See Website for details**

Registration

- ❑ Available now on the website
- ❑ Register until:
Mon, Oct. 22, 23:59h s.t.
- ❑ Building the teams:
 - Register as a team of two
 - Or: register solo and we assign a partner
- ❑ You can define your preference for discussion groups time slots

Questions

- ❑ Website (esp. the FAQ)
- ❑ Mail to:
praktikum@lists.net.t-labs.tu-berlin.de
- ❑ Or now ;-)