

Internet Control Plane

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<http://www.inet.tu-berlin.de/>

General information (1)

- ❑ Part of INET Modules Specialization small/large
- ❑ Time
 - Fri: 10oct – 11:45
- ❑ Room
 - MAR 0.009
- ❑ Language
 - English (questions can be asked in German!)
- ❑ Web site
 - <http://www.inet.tu-berlin.de/menu/teaching0/>

General information (2)

□ Prerequisite

- Network Protocols and Architecture
- Basis Kommunikationsnetze
or corresponding experience

□ Exam

- For those that need it 😊
- Oral or written exam after semester end
(depends on # of participants)

What is this course?

- ❑ Not an introduction to the Internet
- ❑ Focus: Routing in the Internet
 - Methodology
 - Principles
 - How does routing in the Internet actually look like
 - Different protocols, Business structure
 - Topology / route choice
 - How do the differences in wireless change the routing protocol choices
 - Future Routing Architectures
 - Data Centers
 - SDN, ...

Start: Review by example

- ❑ Overview Internet architecture
- ❑ Internet protocols
 - TCP, UDP, IP, IP addresses
- ❑ Internet Applications
 - Web, DNS, ...
- ❑ Layer 2
 - Ethernet / Switching / ARP
- ❑ Introduction to wireless / 4G
 - Channel characteristics / Mobility / Failures