

# Internet Routing

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

# General information (1)

- ❑ Area: BKS – Hauptstudium Vertiefer
- ❑ Time
  - Fri: 10:00 – 12:00
- ❑ Room
  - MAR 0.017
- ❑ 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 on 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 Center Routing Challenges

# 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
  - Channel characteristics / Mobility / Failures