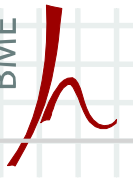


COMMUNICATION NETWORKS

Introductory course into communication networks

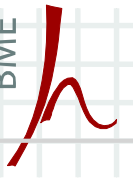
Dr. László Bokor
Ph.D., assistant professor
Department of Networked Systems and Services, BME
bokorl@hit.bme.hu





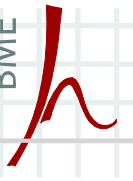
General objectives

- Learn the most important terms regarding computer networks, because
 - computer networks form an important part of everyday life
- Learn how computer networks are working, because
 - computer networks are an important building boxes of informatics systems
- Learn the future possibilities of computer communications, because
 - this field is developing in exponential pace



Course overview

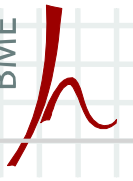
- Use the **Internet** as a representative communication network example and follow the Internet layer model from top to down
 - Introduction
 - Applications layer
 - Transport layer
 - Network layer
 - Link layer



Organizational issues

- Coordinator
 - László Bokor Ph.D., assistant professor
 - bokorl@hit.bme.hu
- Lecturers
 - László Bokor Ph.D., assistant professor
 - bokorl@hit.bme.hu
 - Lincoln Herbert Teixeira, Ph.D. student
 - lincoln@hit.bme.hu
 - Norbert Varga, Ph.D. candidate
 - vnorbert@hit.bme.hu
- Lectures
 - room: IE221
 - Dates:
 - every Tuesday (but the 6 laboratory sessions) **8.30** – 10.00,
 - **No breaks**
 - On-demand scheduled lectures to refill the slots spent for laboratories
- Laboratories
 - Lincoln Herbert Teixeira, Ph.D. student
 - lincoln@hit.bme.hu
 - Interactive demonstrations during the lectures
 - 6 laboratory sessions
 - 6 Tuesdays 8:00 - 10:00, room: I.B.141-142
 - dates on the website

- For the signature and the grade
 - 1 NZH („big test”), at the end of the semester
 - **must be successful** to get the signature
 - **the NZH can be repeated** during the last (repetition) week
 - 3 main laboratories to be successfully completed
 - no exam
 - final grade: 15% of the grades of laboratories (all) and 85% of the NZH



- Book
 - **Computer Networking:** A Top Down Approach Featuring the Internet, 5th edition, Jim Kurose, Keith Ross, Pearson Addison-Wesley, 2009.
- Slides
 - in **.pdf** format, downloadable from the course's homepage
 - **Course website:**
<http://medianets.hu/communication-networks-vihiab01/>