

Course title: Wireless Access Technologies to Internet Network

Institute/Division: F-5, Institute of Teleinformatics

Course code: F50-01

Erasmus subject code: Telecommunication, Computer Science

Number of contact hours: 45 hours

Course duration: 1 semester

ECTS credits: 6

Course description:
Wireless and Mobile Internet Fundamentals, 4G access technologies by 3GPP: LTE/LTE-Advanced, Evolved Packet Core (EPC) for mobile Internet Network, 4G access technologies by IEEE: Mobile WiMAX, WiFi access technologies: IEEE 802.11n/ac/ad, Quality of Service (QoS) in wireless and mobile networks, 4G mobile VoIP and mobile IPTV, OTT (Over-The-Top) broadband Internet services in wireless and mobile networks, QoS assesment and QoS parameters for mobile services, Regulatory and business aspects for wireless and mobile broadband access to Internet

Literature:

Course type: Lectures and seminars

Assessment method: Attendance, ability of solving of simple exercises, exam

Prerequisites: General algebra

Primary target group: 3rd and 4th year computer science students

Lecturer: Jerzy R. Jaworowski, PhD

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