

Title <b>Networks Management</b>	Code <b>1018051410108230316</b>
Field <b>Electronics and Telecommunications</b>	Year / Semester <b>2 / 4</b>
Specialty -	Course <b>core</b>
Hours Lectures: <b>1</b> Classes: -    Laboratory: -    Projects / seminars: -	Number of credits <b>0</b>
	Language <b>polish</b>

**Lecturer:**

dr inż. Janusz Kleban  
Katedra Sieci Telekomunikacyjnych i Komputerowych  
tel. (061) 665-3929, fax. (061) 665-3922  
e-mail: janusz.kleban@et.put.poznan.pl

**Faculty:**

Faculty of Electronics and Telecommunications  
ul. Piotrowo 3A  
60-965 Poznań  
tel. (061) 665-2293, fax. (061) 665-2572  
e-mail: office\_det@put.poznan.pl

**Status of the course in the study program:**

Obligatory course for students of Electronics and Telecommunications.

**Assumptions and objectives of the course:**

Understanding of the network management terminology, standards, ideas and mechanisms used in network management systems. Development of familiarity with selected network management platforms and systems.

**Contents of the course (course description):**

Overall concepts of standardized network management. Key terms and concepts. OSI management structure. MIB - management information base. Examples of network management operations. Overview of OSI management standards: CMISE, CMIP, OSI management functional areas, systems management, structure of management information and management information base. Architecture, management services and functions of TMN. TMN concept application methodology. The TCP/IP network management problems: SNMP and SNMPv2 protocols, MIB-II. Comparison of SNMP management to OSI management. OSI management standards implementations. General presentation of selected network management platforms and systems.

**Introductory courses and the required pre-knowledge:**

Basic knowledge of protocols and computer networks.

**Courses form and teaching methods:**

Lectures supported by multimedia presentations.

**Form and terms of complete the course - requirements and assessment methods:**

Written exam.

**Basic Bibliography:**

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**Additional Bibliography:**

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