Module card

I. GENERAL INFORMATION	
THE WITELON STATE UNIVERSITY OF APPLIED SCIENCES IN LEGNICA **DEPARTMENT FACULTY OF TECHNICAL AND ECONOMIC SCIENCE**	
Field	Computer sciences
Module title	Computer Networks (MI.3)
Language of lecture	English
ECTS points	5
Preliminary conditions:	none

II. Education aims
1. To get knowledge about computer networks types, architectures, using and administration   2. To obtain expirience in some computer network techniques, protocols and device configuration and programming

III. Education outcomes
EF1: Student understands an ISO architecture of computer networks, topology, configuration principles   EF2: Student is able to design a simple computer networks; setup and administrate a simpe switch, router, access point; create user accounts, design IP addressing and connect network devices and nodes using cables or WiFi technology.

IV. EDUCATIONAL METHODS	
Educational method: Multimedia presentations, computer tools activities.	
Assessment methods: Project, documentation, observation students activities during classes	

V. MODULE TYPE AND CONTENTS
Computer Network introduction.   ISO/OSI model, computer network liers.   Ethernet technology.   IP protocol.   Addressing in computer networks.   WiFi computer networks.   Basic of security in computer networks.

VII. ECTS POINT BALANCE SHEET - STUDENT'S WORKLOAD	
Category	**Student's workload**
Contact hours	30
Participation in lectures	15
Participation in classes, workshops	15
Exam	-

Independent student's work	95
Preparation for the lecture	25
Preparation for the classes, workshops	60
Preparation for the test	2
Preparation for the exam	
Preparing the project	8
Preparing multimedia presentation	-
Total numer of hours	125
ECTS points	5

VIII. Recommended literature

1. Materials from tutor
2. https://www.networkstraining.com/best-computer-networks-textbooks/

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