



**Armed Forces Academy
of General Milan Rastislav Stefanik
Demanova 393, 031 06 Liptovsky Mikulas**

ERASMUS offer for incoming students

Department	Department of Informatics
Subject/ title	Network and Computer Security Fundamentals
Credits	4 ECTS
Hours	30
Level (Bachelor/master)	Bachelor
Tutor(s)	Ing. Július BARÁTH, PhD., Ing. Miroslav ĎULÍK, PhD., mjr. Ing. Michal TURČANÍK, PhD., Ing. Miloš OČKAY, PhD.
Exam type	On-line and skills-based assessment
Description	The goal of this course is to introduce students to fundamental networking and computer security concepts and technologies. The course will assist students in developing the skills necessary to plan and implement small networks across a range of applications. This course is supported by a wide range of on-line materials, simulation software and assessment tools in the computer-based learning environment.
Teaching Content	Living in a Network-Centric World Communicating over the Network Application Layer Functionality and Protocols OSI Transport Layer OSI Network Layer Addressing the Network – IPv4 Data Link Layer OSI Physical Layer Ethernet Planning and Cabling Networks Configuring and Testing Network Modern Network Security Threats Cryptographic Systems
Reading materials	DYE, M. A.: Network Fundamentals. Cisco Press, Indianapolis, 2008. ISBN: 978-1-58713-208-7 On-line materials
Remarks	