

Course title: Windows System Administration
Course code: 61043
ECTS credits: 6
Requirements: None
Basic information
Level of studies: Master applied studies
Year of study: 1
Trimester: 1
Goal: Acquiring knowledge of the basic administering of network server operating systems, for example, the Windows Server Cloud platform. Students will be trained to independently perform network server management tasks, and to implement cloud system security configurations.
Outcome: Students should be able to independently install and administer the Cloud Windows computer system.
Contents of the course
Theoretical instruction
1. Virtualization: Hyper-V and Vmware
2. Distributive File System, DNS infrastructure
3. Remote Access, VPN, Direct Access, Network Policy server, Network Access Protection
4. Server networking, RRAS role, Server monitoring, Windows Server Update Service
5. Microsoft System Center installation, configuration and monitoring
6. Hybrid Cloud System installation, configuration and management
7. Microsoft Azure platform: application installation, configuration
8. Cloud system security solutions, System reliability
Practical instruction (Problem solving sessions/Lab work/Practical training)
1. Installation and configuration of Distributive File System and DNS infrastructure
2. Installation and configuration of RRAS, Routing role, VPN, Direct Access, Network Policy role
3. Microsoft System center installation, configuration and management
4. Microsoft Azure platform: Application installation, configuration and management
5. Cloud security management

Textbooks and References
1. Mark Minasi: Mastering Windows Server 2012, Sybex, Wiley, 2014
2. Patrick Regan: Administering Windows Server 2012 Exam 70-411.MOAC.Wiley, 2013
3. Microsoft:10750A Monitoring and Operating a Private Cloud with System Center 2012.Microsoft Corporation.2012.
4. Microsoft:10751A Monitoring and Operating a Private Cloud with System Center 2012.Microsoft
5. https://technet.microsoft.com/en-us/library/bb625087.aspx
Number of active classes (weekly)
Lectures: 3
Practical classes: 2
Other types of classes: 1
Grading (maximum number of points: 100)
Pre-exam obligations: Points
Activities during lectures:
Activities on practical exercises: 50
Seminary work:
Colloquium:
Final exam: Points
Written exam: 50
Oral exam:
Lecturer
Goran Zajić, PhD
Associate