Course title: Cloud Windows
Course code: 61043
ECTS credits: 6
Requirements: None
Basic information
Level of studies: Undergraduate applied studies
Year of study: 3
Trimester: 7
Goal: Introducing administration of server/client network operating systems using Windows Server Cloud platform. Exploring network management services.
Outcome: Upon completion of the course, students should be able to install and maintain computer networks in Cloud Windows environment.
Contents of the course
Theoretical instruction
1. Principles of virtuelisation: Hyper-V and Vmware
2. Distributed File System (DFS)
3. DNS infrastructure design
4. Remote access. VPN. DirectAccess
5. Network Policy server. Network Access Protection
6. Server as a network device. RRAS role
7. Server monitoring
8. Update distribution and management
9. Microsoft System Center: Installation, configuration and monitoring
10. Hybrid cloud system: Installation, configuration and monitoring
11. Microsoft Azzure: Installation of applications
Practical instruction (Problem solving sessions/Lab work/Practical training)
1. DFS installation and configuration
2. DNS zone configuration
3. RRAS server installation and configuration. Routing. VPN. DirectAccess
4. Network Policy installation and configuration
5. Hybrid cloud system: installation, configuration and monitoring
6. Microsoft System Center. Microsoft Azzure: Installation, configuration and management
7. Microsoft Azzure: Installation, configuration and 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 Corporation, 2012.	
5. https://technet.microsoft.com/en-us/library/bb625087.aspx	
Number of active classes (weekly)	
Lectures: 4	
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:	
Seminary work:	
Colloquium: 50	
Final exam: Points	
Written exam: 50	
Oral exam:	
Lecturer: Milorad Paskaš, PhD	
Associate: Jovanović P. Milan	