



Меѓународен Универзитет Визион - International Vision University  
 Universiteti Ndërkombëtar Vizion - Uluslararası Vizyon Üniversitesi

Adres: Ul. Major C. Filiposki No.1, Gostivar – Makedonya  
 tel: +389 42 222 325, [www.vizyon.edu.mk](http://www.vizyon.edu.mk), [info@vizyon.edu.mk](mailto:info@vizyon.edu.mk)

## SYLLABUS

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
NETWORK OPERATING SYSTEMS	4042	8	180	6

Prerequisite(s)	None
-----------------	------

Course Language	Turkish
Course Type	Elective
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra-Curricular Office Hours and Location	

Course Objectives	The aim of this course; the realization of the Windows Server 2012 operating system on the virtualization process, automated machines in the environment to the TCP / IP settings to be sent to teach the machines to make IP resolution by name in the environment. In addition, Windows Server 2012 router to a machine with an operating system (Router) feature teach techniques for providing the necessary infrastructure.
Course Learning Outcomes	Know the Windows Server 2012 innovations. 2. Hyper-V platform performs on the virtualization process. 3. Manages the Windows Server 2012 operating system, and this system makes installation on the domain. 4. Windows 2012 Server installs the DHCP role on the operating system, configures, manages and performs maintenance. 5. Create the DHCP role and scope under the TCP / IP configuration deploys. 6. directs and maintains the DHCP role. 7. Windows 2012 Server installs the DNS role on the operating system, configures, manages and performs maintenance. 8. Windows 2012 Server installs the RRAS role on the operating system, configures, manages and NAT makes the static and dynamic routing. 9. Windows 2012 Server operating system installed on the computer RRAS role configures and manages the VPN server.
Course Contents	In this course; Windows Server 2012 operating systems on Hyper-V platform installation, configuration, management and maintenance; Hyper V virtualization platform with the process, domain setup, DHCP, DNS, RRAS describes the role of the installation and configuration issues.

## WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

<b>Week</b>	<b>Subjects</b>	<b>Related Preparation</b>
<b>1</b>	Innovations Bundled with Windows Server 2012 of	Related Chapters of Course Sources
<b>2</b>	Virtualization on the Hyper-V Platform	Related Chapters of Course Sources
<b>3</b>	Hyper-V on Windows 2012 Operation System Installation	Related Chapters of Course Sources
<b>4</b>	Windows Server 2012 Management and Domain Setup	Related Chapters of Course Sources
<b>5</b>	Establishing and structuring of the DHCP Role	Related Chapters of Course Sources
<b>6</b>	Scope under DHCP Role created the TCP / IP Configure the Distribution	Related Chapters of Course Sources
<b>7</b>	Mid-term Exam	Related Chapters of Course Sources
<b>8</b>	DHCP Role Management and Maintenance	Related Chapters of Course Sources
<b>9</b>	Role of the Board of DNS and the DNS Root	Related Chapters of Course Sources
<b>10</b>	Role Configuring the DNS and Domain Names	Related Chapters of Course Sources
<b>11</b>	DNS - Zone Transfer	Related Chapters of Course Sources
<b>12</b>	RRAS Role of the Board and Static Routing	Related Chapters of Course Sources
<b>13</b>	RRAS - Dynamic Routing and NAT	Related Chapters of Course Sources
<b>14</b>	RRAS - VPN (PPTP-L2TP-SSTP)	Related Chapters of Course Sources
<b>15</b>	Final exam	Related Chapters of Course Sources

**ECTS / WORKLOAD TABLE**

Presentation / Seminar			
Hours for off-the-classroom study (Pre-study, practice)	14	3	42
Midterm Exam	1	12	12
Final examination	1	14	14
<b>Total Work Load</b>			
<b>ECTS</b>		<b>6</b>	

**GENERAL PRINCIPLE RELATED WITH COURSE**

Dear students,

You need to be included in the flow, please follow the course of learning and using that to achieve our success you deserve, you need to practice every day on topics that are covered by the course. It takes practice reading basic and auxiliary literature that is strictly recommended. You should visit classes course I need to make an effort to visit all the professors' lectures. Your activity on the session will be assessed by your professors and the Battle active participant in the discussions that will take place during the time. Students visiting lectures for all at the end if an additional 15 points.

**SOURCES****COMPULSORY LITERATURE**

No	Name of the book	Author's Name, Publishing house, Publication Year
1	Bilgisayar İşletim Sistemleri	Ali Saatçı, Ankara, 2002
2	Компјутерски Мрежи	Е. С. Таненбаум Арс Ламина 2010
3	Data Communication and Networking	B. Forouzan , McGraw-Hill 2009

**ADDITIONAL LITERATURE**

No	Name of the book	Author's Name, Publishing house, Publication Year
1	İşletim Sistemleri ve Sistem Programlama	Mutlu Avcı , Buse Melis Özyıldırım , Onur Ülgen , KARAHAHAN KİTABEVİ
2	Податочни и компјутерски комуникации	В. Сталинс Арс Ламина 2010
3	Communication Networks 2e	Leon-Garcia, Widjaja McGraw-Hill Professional 2003

## EVALUATION SYSTEM

<b>Underlying the Assessment Studies</b>	<b>NUMBER</b>	<b>PERCENTAGE OF GRADE</b>
Attendance/Participation	15	%10
Project / Event	1	%20
Mid-Term Exam	1	%35
Final Exam	1	%35
<b>TOTAL</b>	<b>17</b>	<b>%100</b>

## ETHICAL CODE OF THE UNIVERSITY

In case students are cheating on exams or preparation the same, it is not making reference to the source to be used in studies, as for example in assignments, projects and presentation (plagiarism), in accordance with legislations by Ministry of Education and Science of the Republic of Macedonia and International Vision University, apply relevant disciplinary rules. International Vision University students are expected never attempts in this kind of behavior.