

SLO #1: Upon successful completion of CCNA 4, students will be able to configure PPP encapsulation with CHAP authentication

Assessment Results

Term	Score of 3	Score of 2	Score of 1	Score of 0	Total Assessed
S09	17				17
F09	10				10
S10	11		1		12
S12	13				13

S09 & F09 - All students were able to complete this task with 100% accuracy. No intervention or remediation is required.

S10 – 11 out of 12 students were able to complete this task. The student who could not complete this task has been absent and has not been completing the assigned class labs

S12 – All students were able to complete this task with 100% accuracy. No intervention or remediation is required.

SLO #2: Configure a Basic Frame Relay permanent virtual circuit (PVC), on a router serial interface with static routing.

Assessment Results

Term	Score of 3	Score of 2	Score of 1	Score of 0	Total Assessed
S09	4	5	4		14
F09	11	0	0		11
S10	8	1	0	0	9
S12	12	0	0	0	12

S09 - After discussing the results of this SLO assessment with members of the CIS department, it has been determined that additional instruction on the configuration of static routes is needed. Additional labs relating to static route configurations will be added to the instructional program.

F09, S10 & S12 - The increased emphasis on static routes resulted in the successful completion of all required tasks. And student understanding of this concept has been sustained.

SLO #3: *Upon successful completion of CCNA 4, students will be able to configure DHCP on a Cisco router*

Assessment Results

Term	Score of 3	Score of 2	Score of 1	Score of 0	Total Assessed
S09	12				12
F09	11			1	12
S10	8	2			10
S12	13	0			13

After discussing the results of this SLO assessment with members of the CIS department, it has been determined that no additional instruction on the configuration of DHCP is required.

SLO #4: *Upon successful completion of CCNA 4, students will be able to configure NAT on a Cisco router*

Assessment Results

Term	Score of 3	Score of 2	Score of 1	Score of 0	Total Assessed
S09	7	1	2	2	12
F09	11			1	12
S10	8	2			10
S12	11	0	1		12

S09 - After discussing the results of this SLO assessment with members of the CIS department, it has been determined that additional labs focusing on the NAT configurations tasks are needed. Additional hands on activities will be added to the fall 09 course.

F09 – The addition of extra NAT labs and activities produced an increased understanding of this router configuration task. After discussing the Fall 09 results of this SLO assessment with members of the CIS department, it has been determined that no additional instruction on NAT configuration is required.

S10 & S12- A majority of students were able to complete this skill, no re teaching is required.

CIS 143 – SLO #1: (RETIRED SLO S12) Upon successful completion of CCNA 4, students will be able to define key WAN technology services and concepts

Assessment Results

Term	Score of 3 9-11	Score of 2 6-8	Score of 1 3-5	Score of 0 0-2	Total Assessed
S09	13	4	2	0	19
F09	11				11
S10	6	5			11

Term	Questions Missed											
	1	2	3	4	5	6	7	8	9	10	11	
S09	7	3	2	4		1	2	3	2	3	4	
F09	1	1	1		1			2				
S10	3		4	6		6			1	6	2	

Analysis s09: The most frequently missed questions were questions 1, 4 and 11. Question #1 was assessing student understanding of WAN devices. This concept needs to be revisited with an emphasis on clarifying the use and purpose of an access server. Question #4 was asking for the most common DTE device, again the term DTE needs to be clarified and the associated DTE devices identified. Question number 11 was checking to see if students understood the term: local loop. This concept needs to be re-empathized and redefined.

Analysis f09: Students have demonstrated competency in this task.

Analysis s10: The scores on this SLO indicate a majority of the students understand the key WAN terms. The gaps are located in 3 key areas that will be reviewed prior to the end of the semester.

 SLO #2: (RETIRED SLO S12) Upon successful completion of CCNA 4, students will be able to list the steps, in the correct order for recovering a lost or forgotten password on a cisco router.

Assessment Results - Exam Date: 4-16-09

Term	Score of 3	Score of 2		Score of 1		Score of 0		Total Assessed
	6	5	4	3	2	1	0	
S09	8	3		4		1		16
F09	7	1		1		1		10
S10	4	1		2		1		8

Analysis:

S09 - The majority of the students assessed were able to correctly order the password recovery steps on a router. Less than a 3rd of the students assessed require additional practice with this skill. An additional password recovery lab will be offered during open lab time for those students who need remediation.

F09 & S10 – Additional labs were provided and actual work with the routers and switches was done in class. This resulted in increased retention of the password recovery routine.

CIS 143 – SLO #3: (RETIRED SLO S12) Upon successful completion of CCNA 4, students will be able to Configure and apply extended IP ACLs to permit or deny specific types of IP traffic
 Assessment Results - Exam Date: 4-16-09

<u>Term</u>	<u>Score of 3</u>	<u>Score of 2</u>	<u>Score of 1</u>	<u>Score of 0</u>	<u>Total Assessed</u>
S09	6	3	6	1	16
F09	11	0	0	1	12
S10	7	3	0	0	10

Analysis:

S09 - 56% of the students assessed were able to write ACL statements to meet the filtering requirements as stated in the assessment item. 44% of the students assessed had some understanding of ACL syntax, but were unable to develop valid extended ACL statements for filtering traffic as specified. After discussing the results of this assessment with members of the department it has been decided that additional ACL labs and instruction will be added to the course.

F09 – Additional labs were included in the fall term. Students were also given several opportunities to develop and apply and test extended ACLs using Packet Tracer simulations. This resulted in an increased understanding of the concept.

S10 – A majority of students were able to complete this skill with the routers.

SLO #4: (RETIRED SLO S12) Upon successful completion of CCNA 4, students will be able to identify the benefits of using VPN technology for enterprises and teleworkers.

Assessment Results

<u>Term</u>	<u>Score of 3</u>	<u>Score of 2</u>	<u>Score of 1</u>	<u>Score of 0</u>	<u>Total Assessed</u>
S09	12	4			16
F09	5	4		1	10
S10	5	2	1		8

Analysis: The majority of the students assessed were able to correctly identify the benefits of using VPN technology for enterprise and teleworkers. This SLO was achieved no re-teaching or additions/changes to the curriculum are required.

F09 – The fall students did not do as well with the VPN material. The instructor believes this is due to the fact that the concept was not given as much time in class as was the case in the spring. Additional discussion time devoted to VPNs will be added in the spring 10 term class.