

COURSE ASSESSMENT REPORT

I. Background Information

1. Course assessed:
 Course Discipline Code and Number: CNT236
 Course Title: Internetworking IV: WANs
 Division/Department Codes: BCT/ELED

2. Semester assessment was conducted (check one):
 Fall 20__
 Winter 2009__
 Spring/Summer 20__

3. Assessment tool(s) used: check all that apply.
 Portfolio
 Standardized test
 Other external certification/licensure exam (specify):
 Survey
 Prompt
 Departmental exam
 Capstone experience (specify): Skills-Based Final Exam
 Other (specify):

4. Have these tools been used before?
 Yes
 No

If yes, have the tools been altered since its last administration? If so, briefly describe changes made.
 No

5. Indicate the number of students assessed/total number of students enrolled in the course.
 15/15

6. Describe how students were selected for the assessment.
 All students completing the class were selected for the assessment.

II. Results

1. Briefly describe the changes that were implemented in the course as a result of the previous assessment.
 This is the first assessment.

2. List each outcome that was assessed for this report exactly as it is stated on the course master syllabus.
 - Scaling IP addresses, to make more efficient use of the current IPv4 address space.
 - Differentiate between LAN and WAN technologies.
 - Configure PPP on a WAN link.
 - Identify statements with the ISDN standards used for addressing, concepts and signaling; also configure an ISDN BRI interface.
 - Identify the components of a Frame Relay network, and configure Frame Relay.
 - Identify correct statements pertaining to SNMP, the OSI and management model.

3. Briefly describe assessment results based on data collected during the course assessment, demonstrating the extent to which students are achieving each of the learning outcomes listed above. *Please attach a summary of the data collected.*
 Over 75% of the students successfully achieved outcomes 1 and 3, and the configuration portion of outcome 5. Unfortunately, Cisco Systems changed their policy regarding access to final exam results. This year they rewrote the final exam to closely resemble the official CCNA certification exam, so they no longer permit instructors to review student responses to the questions on the exam, which means that the instructor was unable

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to use the questions from the final exam to assess student achievement of outcomes 2, 4, 6, and part of outcome 5. However, Cisco still permits instructor access to student answers for individual chapter tests.

4. For each outcome assessed, indicate the standard of success used, and the percentage of students who achieved that level of success. *Please attach the rubric/scoring guide used for the assessment.*
 Outcome 1 and 3 were successfully achieved by 100% of the students.
 The second half of outcome 5 (configure Frame Relay) was successfully achieved by 86.67% of the students.
5. Describe the areas of strength and weakness in students' achievement of the learning outcomes shown in assessment results.

Strengths: Students can successfully scale IP addresses, configure PPP and Frame Relay.

Weaknesses: Student weaknesses could not be identified, because the instructor could not gain access to the test results for the Cisco final exam.

III. Changes influenced by assessment results

1. If weaknesses were found (see above) or students did not meet expectations, describe the action that will be taken to address these weaknesses.
 The weakness discovered through this assessment process was with the assessment tool, actually the lack of access to the intended tool. Since the instructors are no longer able to get access to student answers on the Cisco final exam, we will write a departmental assessment tool to assess student academic achievement.
2. Identify intended changes that will be instituted based on results of this assessment activity (check all that apply). Please describe changes and give rationale for change.
 - a. Outcomes/Assessments on the Master Syllabus
Change/rationale:
 - b. Objectives/Evaluation on the Master Syllabus
Change/rationale:
 - c. Course pre-requisites on the Master Syllabus
Change/rationale:
 - d. 1st Day Handouts
Change/rationale:
 - e. Course assignments
Change/rationale:
 - f. Course materials (check all that apply)
 - Textbook
 - Handouts
 - Other:
 - g. Instructional methods
Change/rationale:
 - h. Individual lessons & activities
Change/rationale:
3. What is the timeline for implementing these actions? 1 year

IV. Future plans

1. Describe the extent to which the assessment tools used were effective in measuring student achievement of learning outcomes for this course.

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The skills-based final exam adequately evaluated the student's ability to scale IP addresses, configure PPP and Frame Relay; however, it did not evaluate the student's ability to configure ISDN.

The Cisco final had the appropriate questions to evaluate the other outcomes. Unfortunately, to our surprise Cisco cut off instructor access to the final exam results, so it was not possible to evaluate student achievement of these outcomes.

- 2. If the assessment tools were not effective, describe the changes that will be made for future assessments.
We will write a departmental assessment tool to evaluate student academic achievement, since Cisco will no longer provide access to their final exam results.

- 3. Which outcomes from the master syllabus have been addressed in this report?

All _____ Selected X

If "All", provide the report date for the next full review: _____.

If "Selected", provide the report date for remaining outcomes: Winter 2010

Submitted by:

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Faculty/Preparer

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Department Chair

Print: Rosemary Wilson Signature Rosemary Wilson Date: 11/13/09
Dean/Administrator