Course Assessment in a Box
David Patrick, Adjunct Faculty

Course Assessment in a Box is a practical tool for you to conduct assessment of course Student Learning Outcomes (SLOs). By following these simple steps, using assessment tools you already use to evaluate student work, you can easily produce a course assessment of SLOs.

These steps align with the course SLO assessment page in the CurricUNET Program Review Module. Once the steps are completed, it should be easy to transfer your work to, or simply attach it to, the Program Review.

1. Number and name of the course being assessed:
   
   CNET-120: VMware: Install, Configure, Manage

2. Course SLOs from the Course Outline of Record (simply cut and paste from the COR):

   The student will:
   1. Install and configure ESX and vCenter Server
   2. Configure and manage ESX networking and storage using vCenter Server
   3. Deploy and manage virtual machines
   4. Manage user access to the VMware infrastructure
   5. Increase scalability, monitor resource usage and manage higher availability and data protection using vCenter Server
   6. Apply patches using VMware vCenter Update Manager

3. If you have had any dialogue about the Course SLOs amongst faculty who teach this course, please describe it here (leave blank if there has been no specific dialogue):

   

4. List the SLO(s) you are assessing in this particular instance:

   1. Install and configure ESX and vCenter Server
   2. Configure and manage ESX networking and storage using vCenter Server
   3. Deploy and manage virtual machines
   4. Manage user access to the VMware infrastructure
   5. Increase scalability, monitor resource usage and manage higher availability and data protection using vCenter Server
   6. Apply patches using VMware vCenter Update Manager

5. Describe the assessment strategy or tool that addresses the SLO(s):

   The student has a series of 20 labs that exercise the material presented in class and prepare the student for the VMware Certified Professional (VCP) exam. The student will also take a daily quiz and a final exam that are part of the grading process.

   The students work in teams of two for lab purposes. They turn in paperwork to the instructor when a lab is completed so both the instructor and the student can review where they are in the classwork at any given point in time.
There are two goals for the student: pass the class and complete enough of the labs to become eligible for the VCP exam. The student becomes eligible for the VCP exam by completing 85% of the labs. The letter grade is computed from the number of labs completed and the scores achieved on the quizzes and final exam. It is possible for the student to pass the course without having done enough lab work to become eligible for the VCP exam.

NOTE: Try to use assessment strategies you are already using to evaluate student work as part of your grading system. Examples: Rubrics for Evaluating Projects or Assignments, Portfolio Evaluation, Culminating Projects, Final Exams, Writing Assignments, Performance Assessment, Department Testing, Pre and Post Tests, Vendor or Industry Certification Examinations, Indirect Assessments (Student Surveys, Focus Group Discussions, Interviews), or others....

6. Describe how the criteria or standards in this assessment tool link to the SLO(s) being assessed:

The lab work has been formulated by VMware and is designed specifically to address the objectives in the SLOs. Each of the SLOs involves one or more labs to reinforce the lecture material.

7. By looking holistically at the results from all students, describe your findings:

Out of a class of 20 students (the maximum) on average 1 student withdraws from the class and does not complete the SLOs. The rest achieve the SLOs and become eligible for the VCP exam.

8. Describe faculty dialogue (if any) involved in the assessment process:

N/A

9. Based on an analysis of your findings and dialogue, describe revisions (if any) in curriculum or teaching strategies implemented to promote student success:

None. The class material has changed rapidly with new releases of the vSphere product. Each new release has resulted in a review and minor adjustments to the teaching strategy to ensure the objectives continue to be met.

10. After the improvements are implemented, describe the results:

The student achievement has remained consistent: 95% of the students complete the SLOs and become eligible for the VCP exam.