Assessment Date: ____January 10, 2014____

Faculty Name(s): ____Richard Grotegut__________

1. Course Name and Number:

CNET155A – Currently known as “Network Fundamentals” will be Introduction to Networks in the fall of 2014.

2. All Course SLOs from the Course Outline of Record:

1. Describe the devices and services used to support communications in data networks and the Internet.
2. Describe the role of protocol layers in data networks.
3. Describe the importance of addressing and naming schemes at various layers of data networks in IPv4 and IPv6 environments.
4. Design, calculate, and apply subnet masks and addresses to fulfill given requirements in IPv4 and IPv6 networks.
5. Explain fundamental Ethernet concepts such as media, services, and operations.
6. Build a simple Ethernet network using routers and switches. Use Cisco command-line interface (CLI) commands to perform basic router and switch configurations.
7. Utilize common network utilities to verify small network operations and analyze data Traffic.

3. Specific Course SLO(s) assessed as part of this project:

All seven SLOs

4. Will this SLO assessment count toward GE Plan A?  ____Yes  ____ No

If Yes, identify what area:  ____Area I Natural Sciences  ____Area II Social and Behavioral Sciences  ____Area III Fine Arts/Humanities  ____Area IV Language and Rationality  ____Area V Physical Education/Wellness  ____Area VI Intercultural/International Studies

Identify GE SLO(s) assessed as part of this project (see Catalog pages 49-51):

N/A

5. Assessment strategy or tool used in the assessment. (Describe below, and if applicable copy/paste any additional related documents at end of this form (i.e. Rubric, score sheet, test questions, essay assignment, etc.)

Final hands-on Skills-based Assessment (SBA) and Final Objective Exam. (See SBA scoring rubric attached.)
NOTE: This will usually consist of things you are already using to evaluate student work, i.e. Final Exam questions, Final Essay, Final Presentation or Culminating Project, other Assignments, Portfolio Evaluation, Performance Assessment, Department Testing, Pre and Post Tests, Vendor or Industry Certification Examinations, Indirect Assessments (Student Surveys, Focus Group Discussions, Interviews), etc.

6. Specific aspects of the assessment tool which link up to specific Course SLOs being assessed (i.e. Which specific test questions measured which Course SLOs? Note: May describe with #4 above.):

| Final exam and SBA test each of the course SLOs. |

7. Results and analysis of the data. (Explain below and if applicable copy/paste any related documents, i.e. spreadsheets with data, at the end of this document.)

As with most skills development courses, students generally either gain the skills or do not. Consequently grade distribution, in these types of courses; often display an inverted “Bell Curve” distribution. There were 44 students initially registered for the course. Nine students dropped. Of the 35 students who received grades in the class: 15 received “A”s, eight “B”s, four “C”s, no “D”s, and eight failed (“F”s). Students who failed did not complete the final exam and final skills-based assessment.

Average scores for the class:
- Labs and Activities: 66.0%
- Skills-based Assessment: 98.7%
- Final Exam: 75.6%

These results are encouraging. This is the first delivery of the new CCNA1 curriculum and, for the first time, includes a study of IPv6. Students and faculty struggle with this topic. The inclusion of IPv6 along with the still remaining topics, made it difficult for students to complete this course and the CNET 155B in the eight week format during a single semester. Students were only able to complete the Lab activities at a 65% rate. This should be closer to 100%.

8. Describe any faculty dialogue that occurred as part of the assessment process (i.e. Were results shared at a department meeting? Was there discussion about changing any SLOs? Etc.):

A lot of dialog, with CNET/CS faculty here at Ohlone and with colleagues at neighboring colleges in our region, has taken place regarding this course and the sequence of Cisco Networking Academy courses. The CNET155A is the first course in the sequence of courses leading to certified and employable network administrators.

9. Next steps (i.e. any planned revisions to curriculum or teaching strategies to promote student success, future assessment plans, etc.):

This Spring we are providing additional time during our face-to-face meetings to do labs and activities. In the Fall 2014 the CNET155A class will be taught exclusively as a full term (16 week) course. This course was taught in eight weeks (meeting twice a week).
10. Results of implemented changes, if available at this time:

Not available at this time.

Please save your finished document in the following format. (Date should be for the semester in which data was collected; same date should be listed at top of this form.)

yyyysemester-sloa-coursenid.doc
example: 2013fall-sloa-engl101c.doc