

OSU-Okmulgee
Academic Programs Form C
ASSESSMENT REPORT

Construction Technologies Division
(Unit)

High Voltage
(Program Emphasis or Specialization)

Fall 2003
(Assessment Period Covered)

Aug. 11th 2003
(Date Submitted)

Intended Educational (Student) Objective #1:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 1: Exhibit the ability to climb freestanding 40' structures, and maneuver around poles while doing work on different types of equipment.

A. First Means of Assessment for Objective Identified Above:

1 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?) 80% of the students in the Introduction to Climb class ECNT 1222 will complete the safety exam with 80% accuracy, they will also be able to climb unassisted to 20' without the aid of a safety harness at 100% accuracy.

1 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

1 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

1 b. Means of Program Assessment & Criteria for Success:
80% of students in the 3rd semester Internship class ECNT 2416 will exhibit the ability to climb freestanding structures, and maneuver around poles while doing work on different types of equipment. They will be assessed by their working Journeyman or lead person using the Construction High Voltage Intern Evaluation at an average score of 3 out of 4.

1 b. Description of Data Collection & Assessment Results:

1 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #2:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 2: Calculate KVA (Kilo-Volts Amperes) before installing transformers.

A. First Means of Assessment for Objective Identified Above:

2 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?) 80% of the students in the Principles of Operation of High Voltage Distribution Systems class ECNT 2483 will be able to calculate KVA with 80% accuracy before installing Transformers.

2 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

2 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

2 b. Means of Program Assessment & Criteria for Success:
80% of the students in the Principles of Operation of High Voltage Distribution Systems class ECNT 2483 will take Computer CD testing and have an average of 80% pass rate.

2 b. Description of Data Collection & Assessment Results:

2 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #3:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 3: Analyze a task in high voltage field; utilize the tools and materials available from the yard to complete a satisfactory job.

A. First Means of Assessment for Objective Identified Above:

3 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

80% of students in the Advanced Distribution Systems class ECNT 2643 Video & Picture Testing at 80% accuracy.

3 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

3 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

3 b. Means of Program Assessment & Criteria for Success:

80% of the students in the High Voltage Capstone class ECNT 2616 will have the ability to recognize tools & materials available and will be able to use them on given lab project with 80% accuracy.

3 b. Description of Data Collection & Assessment Results:

3 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #4:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 4: Design of structures, Distribution & Transmission according to Specifications.

A. First Means of Assessment for Objective Identified Above:

4 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

80% of students in the Transmission Principles class ECNT 2673 will produce weekly projects drawn and calculated on computer while in class at average score of 75%.

4 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

4 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

4 b. Means of Program Assessment & Criteria for Success: 70% of the students in the Capstone Class ECNT 2616 will be able to design and draw Distribution and Transmission Jobs on a given project with 70% accuracy.

4 b. Description of Data Collection & Assessment Results:

4 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #5:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 5: Demonstrate the ability to build Transformer stations.

A. First Means of Assessment for Objective Identified Above:

5 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

80 % of students in the Principles of operation of High Voltage Distribution Systems class ECNT 2483 will draw a Schematic Drawing of a transform Connection on a given project at 80 % accuracy.

5 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

5 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

5 b. Means of Program Assessment & Criteria for Success: 60% of students in the Advanced Distribution Systems class ECNT 2643 will be able to build and install transformer station on paper and in the field on a given project with 60% accuracy.

5 b. Description of Data Collection & Assessment Results:

5 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #2:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 6: Work cooperatively with others while working in the air from a structure or on the ground.

A. First Means of Assessment for Objective Identified Above:

6 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

80 % of students in the ECNT 2673 Transmission Principles class will have a team project in which 80% completion of a given check-off list at 80 % accuracy.

6 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

6 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

6 b. Means of Program Assessment & Criteria for Success:

90% of the students in the High Voltage Capstone Class ECNT 2616 will be able to work with others while working from structures and on the ground on a given project with 90% accuracy.

6 b. Description of Data Collection & Assessment Results:

6 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #3:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 7: Demonstrate the ability to make underground transformer connections, for both single phase and 3 phase.

A. First Means of Assessment for Objective Identified Above:

7 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

80% of the students in the Underground Distribution Systems class ECNT 2553 will take computer CD Testing on Underground Connection with average score of 80%.

7 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

7 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

7 b. Means of Program Assessment & Criteria for Success: 70% of the students in the Underground Distribution Systems class ECNT 2553 will be able to make underground connections and terminations on a final project at 80% accuracy.

7 b. Descriptions of Data Collection & Assessment Results:

7 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #4:

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Objective 8: Demonstrate the ability to use computer skills.

A. First Means of Assessment for Objective Identified Above:

8 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?) 60% of students in the Intro to Electrical Trade Class ECNT 1102 will complete assignments for research of the electrical industry using the inter-net and complete assignments reports having used Microsoft word at a pass or no pass rate.

8 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

8 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

8 b. Means of Program Assessment & Criteria for Success:
70 % of the students in High Voltage Capstone class ECNT 2616 will use a computer-generated program producing a document to show all scores made on their CD testing with 80% accuracy rate.

8 b. Description of Data Collection & Assessment Results:

8 b. Use of Results to Improve Instructional Program: