

OSU-Okmulgee

Academic Programs Form C

ASSESSMENT REPORT

For Core (First Five) and Program of Study Objectives (Last Four)

Engineering Technologies

(Unit)

Engineering Graphics (ETDG)

(Program Emphasis or Specialization)

Fall 2003 - Summer 2004

(Assessment Period Covered)

October 29, 2004

(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: Effectively communicate electronically, verbally and in writing.

A. Summative Means of Assessment for Objective Identified Above:

1 a. Means of Program Assessment & Criteria for Success: 80% of the students will complete a Pre-Internship Portfolio at a 74% level.

1 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)
Cohort has not reached Pre-Internship

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

N/A

B. Formative Means of Assessment for Objective Identified Above:

1 b. Means of Program Assessment & Criteria for Success: 80% of the students will complete technical report and give a presentation over the LISP routine project in Applied AutoCAD a 74% level.

1 b. Description of Data Collection & Assessment Results:

Data not collected

1 b. Use of Results to Improve Instructional Program:

N/A

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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: Demonstrate logical, systematic problem-solving techniques.

A. Summative Means of Assessment for Objective Identified Above:

2 a. Means of Program Assessment & Criteria for Success: 80% of the students will complete a Pre-Internship Portfolio at a 74% level.

2 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)
Cohort has not reached Pre-Internship

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

B. Formative Means of Assessment for Objective Identified Above:

2 b. Means of Program Assessment & Criteria for Success: 80% of the students will complete the Intro to Design Drafting test or equivalent at a 74% level.

2 b. Description of Data Collection & Assessment Results:
Data not collected

2 b. Use of Results to Improve Instructional Program:
N/A

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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 and solve problems using basic mathematical computations.

A. Summative Means of Assessment for Objective Identified Above:

3 a. Means of Program Assessment & Criteria for Success: 80% of the students will complete a Pre-Internship Portfolio at a 74% level.

3 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)
Cohort has not reached Pre-Internship

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

B. Formative Means of Assessment for Objective Identified Above:

3 b. Means of Program Assessment & Criteria for Success: 80% of the students will complete Problem 1-1 or equivalent in Intro to Design Drafting at a 74% level.

3 b. Description of Data Collection & Assessment Results:
83% of the students completed the assessment at a 74% level

3 b. Use of Results to Improve Instructional Program:
Due to limited data, no programmatic changes will be made at this time.

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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: Develop and display a sense of personal, social and professional work ethics.

A. Summative Means of Assessment for Objective Identified Above:

4 a. Means of Program Assessment & Criteria for Success: A @ S feedback is required.

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. Formative Means of Assessment for Objective Identified Above:

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

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: Explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study.

A. Summative Means of Assessment for Objective Identified Above:

5 a. Means of Program Assessment & Criteria for Success: A @ S feedback is required.

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. Formative Means of Assessment for Objective Identified Above:

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

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 #6:

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: Apply mathematical techniques to solve problems in physical science and engineering graphics.

A. Summative Means of Assessment for Objective Identified Above:

6 a. Means of Program Assessment & Criteria for Success: 80% of the students will complete a final exam in Statics at a 74% level.

6 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)
Cohort has not reached this competency

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

B. Formative Means of Assessment for Objective Identified Above:

6 b. Means of Program Assessment & Criteria for Success: 80% of the students will complete the first exams in Statics at a 74% level.

6 b. Description of Data Collection & Assessment Results:
Cohort has not reached this competency

6 b. Use of Results to Improve Instructional Program:
N/A

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Intended Educational (Student) Objective #7:

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: Use CAD to create a complex drawing according to standard drafting practices including the use of layers and drawing set up features as they relate to the Architectural, Civil, and Mechanical fields.

A. Summative Means of Assessment for Objective Identified Above:

7 a. Means of Program Assessment & Criteria for Success: 80% of the students will complete a Civil, Architectural and Mechanical Final drawing project at a 74% level.

7 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)
84% of the students completed final projects at a 74% level

7 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)
Due to limited data, no programmatic changes will be made at this time

B. Formative Means of Assessment for Objective Identified Above:

7 b. Means of Program Assessment & Criteria for Success: 80% of the students will complete a Civil, Architectural and Mechanical drawing project at a 74% level on the first attempt.

7 b. Description of Data Collection & Assessment Results:
39% of students completed the drawings at a 74%

7 b. Use of Results to Improve Instructional Program:
The formative assessments are course assignments that many students choose not to complete. Due to limited data, no programmatic changes will be made at this time.

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Intended Educational (Student) Objective #8:

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 8: Perform quantity estimates and calculations as they pertain to Architecture, Civil, and Mechanical designs

A. Summative Means of Assessment for Objective Identified Above:

8 a. Means of Program Assessment & Criteria for Success: Given a Civil, Architectural and Mechanical problem 80% of the students will calculate quantities with in 74% of the actual need on the course final project.

8 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)
80% of the students completed the assessment at a 74% level.

8 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)
Due to limited data, no programmatic changes will be made at this time.

B. Formative Means of Assessment for Objective Identified Above:

8 b. Means of Program Assessment & Criteria for Success: Given a Civil, Architectural and Mechanical problem 80% of the students will calculate quantities with in 74% of the actual need.

8 b. Description of Data Collection & Assessment Results:
54% of students completed the assessments at a 74% level.

8 b. Use of Results to Improve Instructional Program:
The formative assessments are course assignments that many students choose not to complete. Due to limited data, no programmatic changes will be made at this time.

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Intended Educational (Student) Objective #9:

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 9: Use principles of Land Law and Mapping to manipulate parcels of land for the purpose of design/drafting.

A. Summative Means of Assessment for Objective Identified Above:

9 a. Means of Program Assessment & Criteria for Success: 80% of the students will complete the Civil Applications final exam at a 74% level.

9 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)
80% of the students completed the final exam at a 74% level

9 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)
Due to limited data, no programmatic changes will be made at this time.

B. Formative Means of Assessment for Objective Identified Above:

9 b. Means of Program Assessment & Criteria for Success: Given existing environmental conditions 80% of the students will describe, prepare and draw said parcel to a 74% accuracy level.

9 b. Description of Data Collection & Assessment Results:
100% of the students completed the assessment at a 74% level.

9 b. Use of Results to Improve Instructional Program:
Due to limited data, no programmatic changes will be made at this time.