

Industrial Technology Management Canino School of Engineering Technology 2018 Assessment Report

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- Date of Presentation: January 16, 2019



Mission

The Canino School of Engineering Technology (CSOET) at SUNY Canton is committed to providing an educational experience that prepares students for a career in a technologically oriented society. The curricula are focused on providing career skills reviewed by industry partners and accreditation agencies. Our programs provide opportunities for every student to find a suitable starting point for their academic endeavor. Graduates have the ability to work in teams, think critically, utilize the tools of their trade or industry, and communicate effectively.



What was assessed? Student learning outcomes list:

- *ISLO 4: Social Responsibility – Teamwork*

The category of social responsibility requires students to demonstrate understanding of cultural relations and global concerns. Students should demonstrate cultural sensitivity and global concerns with an emphasis on ethical standards.



What was assessed? Student learning outcomes list:

- *PSLO # 5 (ISLO #4)*

Interact with others in groups or teams in ways that contribute to effective working relationships and the achievement of goal

- *PSLO # 6 (ISLO #4)*

Analyze and resolve complex problems through the application of systematic approaches



What was assessed? Student learning outcomes list (cont.)

- *PSLO # 7 (ISLO #4)*

Adapt to new situations and demands by applying and/or updating his/her knowledge & skills



Where were outcomes assessed?

- *PSLO # 4*
 - *BSAD 201 - Business Law I*
 - *BSAD 301 - Principles of Management*
 - *SOET 361 – Project Management*
 - *SOET 377 - Engineering Ethics*



How was the assessment accomplished?

- Student work assessed:
 - Quizzes
 - Midterm and final exams
 - Oral presentations
 - Group projects
 - Term papers
- Measurement strategy:
 - Applicable rubrics used for oral presentations, term papers and group projects
 - % of questions answered correctly on quizzes and midterm/final exams
- Sample size:
 - All students who take the designated assessed courses, see attachment for N for each course



Assessment results: What have the data told us?

- *PSLO # 5*
 - SOET 361 – Project Management
 - Outcome: 8. Effectively communicate project scope and progress status

Summary of Findings:	The class has an average of 96%
Results :	Target Achievement: Exceeded
Recommendations:	I am very pleased with the results
Reflections/Notes:	Students did very well



Assessment results: What have the data told us?

- *PSLO # 5*
 - BSAD 301 – Principles of Management
 - Outcome 7: Explain motivational theories and the link to performance.
 - Findings to be added next cycle (the development of the assessment map is new as of new leadership taking over)



Assessment results: What have the data told us?

- *PSLO # 6*
 - BSAD 301 – Principles of Management
 - Outcome 8: Differentiate and achieve diversity in preference to affirmative action.

Summary of Findings:	9 of 13 students (69%) met the benchmark. The average is 67.
Results :	Target Achievement: Not Met
Recommendations:	These numbers are considerably below the numbers for previous (similar) assessments. It is evident that I did not sufficiently prepare this section for this assignment.



Assessment results: What have the data told us?

- *PSLO # 6*

- SOET 377 – Engineering Ethics

- Outcome 2: Students will demonstrate the knowledge of trust and engineering reliability and respect for diversity.

Summary of Findings:	90% students scored 85% or higher on the case analysis assignment which exceeded the established target. No improvement plan is needed since class performance expectation was exceeded. Students ethical reasoning was achieved through case studies. Number of students who participated in this case analysis assignment (21).
Results :	Target Achievement: Exceeded
Recommendations:	None
Reflections/Notes:	None



Assessment results: What have the data told us?

- *PSLO # 7*

- SOET 377 – Engineering Ethics

- Outcome 1: Moral issues and respect for code of ethics
- Analyze moral issues in engineering technology
- and respect engineering code of ethics.

Summary of Findings:	90% of students scored 90% or higher on case studies assignment. This measure exceeded the target established for the outcomes. As such, no improvement plan is needed. Students achieved ethical reasoning through case studies. Number of students who participated in this assignment is (24).
Results :	Target Achievement: Exceeded
Recommendations:	None
Reflections/Notes:	None



Assessment results: What have the data told us?

- *PSLO # 7*

- BSAD 201 – Business Law I

- Outcome 1: Write and understand the process of writing case briefs..

Summary of Findings:

DELONG: Only 60% of students (rather than 70%) met the target of 90% on discussions 1, 5, 6, 7, 9 & 13.

JONES:

The student's scored on par with expectations for this category. The class average was 86% on this writing assignment. Rubric scores for ethical reasoning fell in the "2" range on the scale. See attached rubric analysis.

Results :

Target Achievement: Met

Recommendations:

Modify the discussion questions and the instructions to focus student attention on ethical self-awareness, and recognizing, understanding, applying, and differentiating different ethical perspectives/concepts,

Reflections/Notes:

JONES: Students in my section met the expectations, all though on the low end



Data-driven decisions: How the program has or plans to “close the loop” based on these results.

- Continue to revise the course curriculum to better align with the program’s objectives according to the SLO outcomes
- Continue to revise the related courses to better align with the student learning outcomes
- Advise students in the program to seek for additional instructional support when needed, e.g. tutoring.



What resources were used or have been requested to close the loop?

- None at this time

