



 **SUNY CANTON**

Construction Technology: Management Program

Fall 2015 Assessment Report



Curriculum Coordinator: Sarah Todd

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What was assessed?

CTM Program Outcomes:

1. The graduate of the SUNY Canton Construction Technology Management program will be able to **communicate effectively in both written and oral forms** to a level acceptable of an entry level construction technician.
2. The graduate of the SUNY Canton Construction Technology Management program will be able to apply **college level math concepts** (Business Math, Algebra, Geometry and Trigonometry) in the solution of **construction related problems**.
3. The graduate of the SUNY Canton Construction Technology Management program will be able to use common **computer applications** (Word Processing, Spreadsheets, Database, and Cadd) effectively.
4. The graduate of the SUNY Canton Construction Technology Management program will demonstrate familiarity with and understanding of the properties and applications of common **construction materials and methods** in the conduct of an entry level position in the construction industry.
5. The graduate of the SUNY Canton Construction Technology Management program will demonstrate familiarity with and understanding of fundamental **business management theory** in relation to an entry level position with a construction-related business.



Where were outcomes assessed?

SLO1. communicate effectively in both written and oral forms

CONS280
CONS216

Civil Materials
Soils in Construction

SLO 2. apply college level math concepts

CONS101

Elementary Surveying

SLO 3. use common computer applications

CONS132
CONS222
CONS216

Construction Drafting
Estimating
Soils in Construction

SLO 4. construction materials and methods

CONS111
CONS274

Commercial Structures
Construction Mgmnt

SLO 5. fundamentals of business management theory in relation to an entry level position with a construction-related business.

BSAD100
BSAD201
ACCT104

Intro to Business
Business Law 1
Intro to Accounting

How was the assessment accomplished?

- Student work assessed:
 - final exam short answer questions
 - Calculations on assignments and exams
 - Oral presentations
 - Written reports
 - projects
- Grades reviewed for outcome 5
- Surveys of employers needed



SLO 1 - Communication (written and oral)

- Taskstream data provided me with nothing
- One class used is taught in the spring and is not available yet (instructor will provide data)
- The other class does evaluate students on writing and speaking projects but these are not listed as course outcomes



SLO 2. Applies Math to Solve problems

SLO 2 - Graduates will be able to apply college level math concepts in the solution of construction related problems.

	Measures	Not Met		Met		Exceeded	
		<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
All Courses	1	0	0%	0	0%	1	100%
CONS 101	1	0	0%	0	0%	1	100%

This is an excerpt of the report from taskstream.

A second measure was to be used but no data available because that is not measured specifically in the course.



Taskstream Comments

- It is so easy to “shop” for an appropriate measure from among course outcomes, it becomes easy to add to the measures.
- Links instructors. Should encourage collaboration/common ends.
- The report shows no detail re: the measurement. Not very valuable to me.



SLO 3. Uses computer applications: evaluation requires input from several classes. None of which have posted the data required

SLO 3 - Graduates will be able to use common computer applications (Word Processing, Spreadsheets, Database, and Cadd) effectively.

	Measures		Not Met		Met		Exceeded		No Findings	
	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
All Courses	1		0	0%	0	0%	0	0%	1	100%
CONS 132	1		0	0%	0	0%	0	0%	1	100%



SLO 4. knowledge of industry materials and methods

SLO 4 - Graduates will demonstrate familiarity with & understanding of the properties and applications of common construction materials and methods.

	Measures	Not Met		Met		Exceeded	
		<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
All Courses	1	0	0%	0	0%	1	100%
CONS 112	1	0	0%	0	0%	1	100%



SLO 5 Business Fundamentals

- Evaluation based on cumulative GPA of the student in the business and accounting classes taken.
- Target 75% have cumulative GPA >2.5
- Current advisees : 7/8 (85%) meet target (average GPA is 3.11)
- Total students on advisee list since 2014: 24/32 (75%) meet target
- And recent graduates 2014 and 2015: 13 of 14 (91%) meet target (avg GPA = 3.4)



Assessment results: What have the data told us?

So far so good, but much information is lacking.

Requires better communication among instructors, alteration of course outcomes in several cases.

Revisiting program outcomes.

Surveys are required.



Data-driven decisions: How the department has or plans to “close the loop” based on these results. OR Given these findings, what will the program do differently?

1. Options to clarify the assessment of SLO 5
 1. re-write so that it is measureable
 2. Introduce a construction-specific element to one of the business courses (this has been discussed)
 3. Eliminate it.



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

- Operational goal, replace Mr. B, has been resolved with the hiring of Mr. Reiter.
- We have not, as yet, identified any shortcomings in SLOs that would stimulate request for funds.
- Our biggest issue is low enrollment. Perhaps funding of recruitment efforts could stimulate enrollment???

