SUNY CANTON

Information Technology B.Tech. Program
Canino School of Engineering Technology
Fall 2016 Assessment Report

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What was assessed? Student learning outcomes list:

- *SLO 1 – Communicate*
  - *Communicate clearly, concisely, and correctly in the written, spoken, visual, and electronic form that fulfills the purpose and meets the needs of audiences*
- *SLO 2 – Documents & Information*
  - *Interpret, produce, and present work-related documents & information effectively and accurately*
- *SLO 3 – Tools*
  - *Use a variety of computer hardware and software and other technological tools apprpriate and necessary for the performance of tasks*
- *SLO 4 - Interaction*
  - *Interact with others in groups or teams in ways that contribute to effective working relationships and the achievement of goals*

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

- *SLO 5 – Analyze & Resolve Problems*
  - *Analyze and resolve information technology related problems through the application of systematic approaches*
- *SLO 6 – Adapt to New Situations*
  - *Adapt to new situations and demands by applying and/or updating his/her knowledge and skills*
- *SLO 7 – Concentration Knowledge & Skills*
  - *Master essential knowledge and skills within a designated concentration area*

Where were outcomes assessed?

- *SLO 1 - Communicate*
  - *CITA 163, ENGL 102, CITA 204, SOET 361, CITA 460, SOET 477, CITA 480*
- *SLO 2 - Documents & Information*
  - *CITA 204, SOET 361, CITA 460, SOET 477, CITA 480*
- *SLO 3 - Tools*
  - *CITA 170, CITA 171, CITA 180, CITA 215, CITA 220, CITA 221, CITA 250, CITA 310, CITA 330, CITA 460, SOET 477, CITA 480*
- *SLO 4 - Interaction*
  - *CITA 163, CITA 204, SOET 361, CITA 460, SOET 477, CITA 480*
- *SLO 5 - Analyze & Resolve Problems*
  - *CITA 204, CITA 250, SOET 361, CITA 460, SOET 477, CITA 480*
- *SLO 6 - Adapt to New Situations*
  - *CITA 204, SOET 361, CITA 330, SOET 477, CITA 480*
- *SLO 7 - Concentration Knowledge & Skills*
  - *Program Electives*

How was the assessment accomplished?

- Student work assessed:
  - Quizzes
  - Midterm and final exams
  - Hands-On Labs
  - Oral presentations
  - Term papers
  - Group projects

- Measurement strategy:
  - % of questions answered correctly on quizzes and midterm/final exams
  - rubrics used for hands-on labs, oral presentations, term papers and group projects

- Sample size:
  - All students

SLO 1 - *Communicate*
Actual assessment data

SLO 1 - Communicate clearly, concisely, and correctly in the written, spoken, visual, and electronic form that fulfills the purpose and meets the needs of audiences.									
	Measures	**Not Met**		**Met**		**Exceeded**			
	N	**N**	**%**	**N**	**%**	**N**	**%**		
All Courses	**6**	**0**	**0%**	**2**	**33%**	**4**	**67%**		
CITA 480	3	0	0%	0	0%	3	100%		
SOET 477	3	0	0%	2	67%	1	33%		

SLO 2 - *Documents & Information*
Actual assessment data

SLO 2 - Interpret, produce, and present work-related documents & information effectively and accurately.									
	Measures	Not Met		Met		Exceeded			
	N	N	%	N	%	N	%		
All Courses			#DIV/0!		#DIV/0!		#DIV/0!		
No Measures									

SLO 3 - *Tools*
Actual assessment data

	Measures	Not Met		Met		Exceeded		No Findings	
SLO 3 - Use a variety of computer hardware and software and other technological tools apprpriate and necessary for the performance of tasks.									
	N	**N**	**%**	**N**	**%**	**N**	**%**	**N**	**%**
All Courses	**70**	**0**	**0%**	**48**	**69%**	**3**	**4%**	**19**	**27%**
CITA 171	28	0	0%	11	39%	0	0%	17	61%
CITA 220	24	0	0%	24	100%	0	0%	0	0%
CITA 221	2	0	0%	0	0%	0	0%	2	100%
CITA 310	2	0	0%	1	50%	1	50%	0	0%
CITA 460	9	0	0%	9	100%	0	0%	0	0%
CITA 480	1	0	0%	0	0%	1	100%	0	0%
SOET 477	4	0	0%	3	75%	1	25%	0	0%

SLO 4 - *Interaction*
Actual assessment data

SLO 4 - Interact with others in groups or teams in ways that contribute to effective working relationships and the achievement of goals.									
	Measures	Not Met		Met		Exceeded			
	N	N	%	N	%	N	%		
All Courses	**1**	**0**	**0%**	**0**	**0%**	**1**	**100%**		
CITA 480	1	0	0%	0	0%	1	100%		

SLO 5 - *Analyze & Resolve Problems*
Actual assessment data

SLO 5 - Analyze and resolve information technology related problems through the application of systematic approaches.									
	Measures	**Not Met**		**Met**		**Exceeded**			
	N	**N**	**%**	**N**	**%**	**N**	**%**		
All Courses	**9**	**0**	**0%**	**7**	**78%**	**2**	**22%**		
CITA 460	6	0	0%	6	100%	0	0%		
CITA 480	2	0	0%	0	0%	2	100%		
SOET 477	1	0	0%	1	100%	0	0%		

SLO 6 - *Adapt to New Situations*
Actual assessment data

SLO 6 - Adapt to new situations and demands by applying and/or updating his/her knowledge and skills.									
	Measures	**Not Met**		**Met**		**Exceeded**			
	N	**N**	**%**	**N**	**%**	**N**	**%**		
All Courses	**4**	**0**	**0%**	**2**	**50%**	**2**	**50%**		
CITA 480	2	0	0%	0	0%	2	100%		
SOET 477	2	0	0%	2	100%	0	0%		

SLO 7 - *Concentration Knowledge & Skills*
Actual assessment data

SLO 7 - Master essential knowledge and skills within a designated concentration area.									
	Measures	Not Met		Met		Exceeded			
	N	**N**	**%**	**N**	**%**	**N**	**%**		
All Courses	**1**	**0**	**0%**	**0**	**0%**	**1**	**100%**		
CITA 342	1	0	0%	0	0%	1	100%		

Assessment results: What have the data told us?

- *SLO 1 - Communicate*

  1/3 met, 2/3 exceeded

- *SLO 2 - Documents & Information*

  No measures

- *SLO 3 - Tools*

  69% met, 4% exceeded, 27% no findings

- *SLO 4 - Interaction*

  100% exceeded

Assessment results: What have the data told us? (cont.)

- *SLO 5 - Analyze & Resolve Problems*

    78% met, 22% exceeded

- *SLO 6 - Adapt to New Situations*

    50% met, 50% exceeded

- *SLO 7 - Concentration Knowledge & Skills*

    100% exceeded

Data-driven decisions: How the department has or plans to "close the loop" based on these results.

- Revise the related courses including the course outlines to better align with the student learning outcomes

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

- Individual faculty time revising within a course
- Program and department faculty time making revisions spanning more than one course or adjusting the curriculum

What changes would you make to the Assessment Process?

- Collect data directly from students too.