

What was assessed? Student learning outcomes list:

- PSLO 1 Communication Skills
 - Students are ...
- PSLO 3 Knowledge Management Skills
 - Students are ...
- PSLO 4 Technical Skills
 - Students are ...
- ISLO # name of ISLO

Description

Where were AUTO outcomes assessed?

- PSLO 1 Communication Skills, AUTO
 - 101, 102, 111, 112, 141, 144, 213, 214, 220, 221, 241, and 282
- PSLO 3 Knowledge Management Skills
 - 101, 102, 122, 141, 144, 220, 230, 241, and 282
- PSLO 4 Technical Skills (Safety Procedures)
 - **–** 101, 102, 104, 111, 122, 141, 144, 282.
- ISLO # 2. Critical Thinking, 3. Professional Competency: for all Automotive courses.

How was the assessment accomplished?

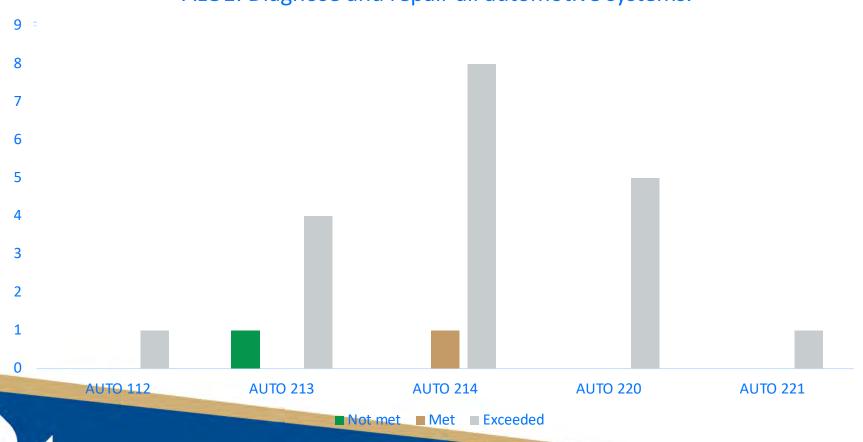
- Student work assessed:
 - Quizzes
 - Midterm and final exams
 - -- Lab Practicals
 - -- Lab Performance
 - -- Direct Student Artifact (Training Certificates)
- Measurement strategy:
 - Applicable rubrics used for reports
 - 70 % of questions answered correctly on quizzes, lab practicals, and midterm/final exams.
 - Observed degree of mastery for lab performance.
- Sample size:
 - All students who take the designated assessed courses.



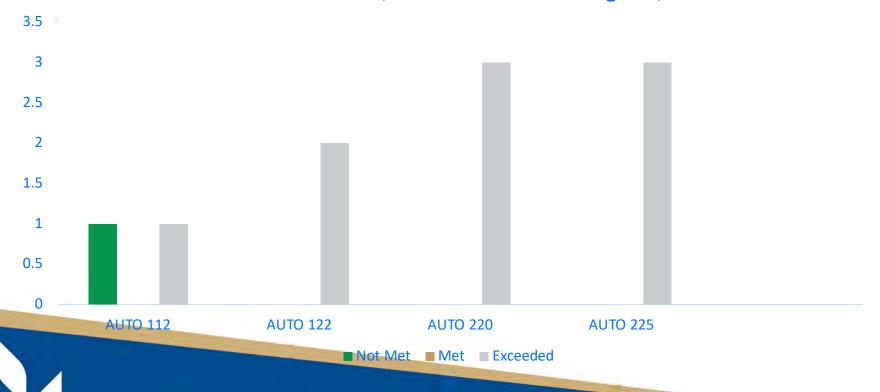
Assessment results: What have the data told us?

- PSLO 1 Communication Skills
 Insufficient data ...
- PSLO 3 Knowledge Management Skills
 All related courses in this SLO have ...
- PSLO 4 Technical Skills 31% of students in ...
- ISLO # name of ISLO 25 % of students in...

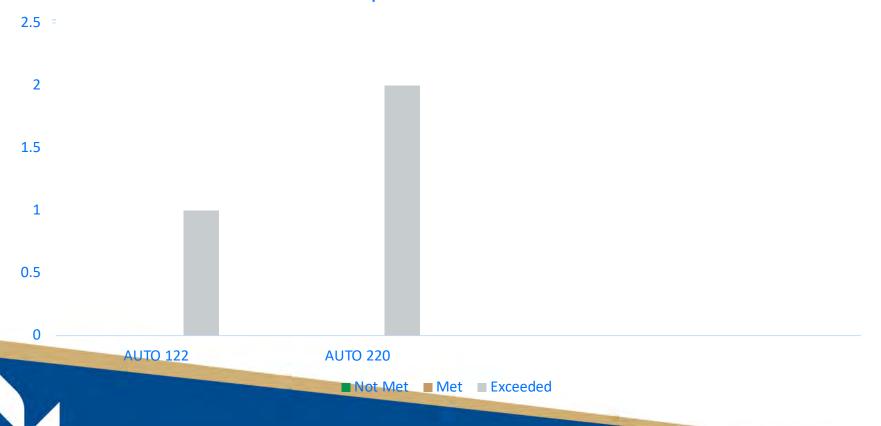
ALO1: Diagnose and repair all automotive systems.



ALO2: Demonstrate the ability to find all related system diagnostic/repair information within Auto service publications, electronic database, web based search engines, etc.



ALO3: Utilize the 8 point service procedures to diagnose and solve problems.



- ALO4: Demonstrate safety procedures while conducting automotive service activities.
 - Courses for measurement: AUTO 101, 102, 111, 141, 144, and 282.
 - These courses were not assessed in 2017 due to new faculty in 2017.

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.



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

- Given these findings, what will the department do differently?
 - Change teaching methods
 - Lab Capacity: Need to expand the capacity for all students to clearly view and hear lab demos when lab group size exceeds 6 students. Use lapel microphones and video monitors to improve audio and visual access to instruction.
 - Tutoring and Review: Need to create task videos to review specific methods, techniques, and diagnostic processes that are frequently difficult to grasp.
 - **Skill Building Practice Sessions:** Provide students an opportunity to practice and gain confidence when using tools, equipment and service information.

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

- Increase instructional support
 - Practice Time: Continue to give students time to practice on their personal car when the task relates to the automotive program i.e. Auto Club.
 - **Student Recruiting:** Request more help identifying motivated students for the program when recruiting students.
- Change assessment methods and/or measures
 - Outcome Targets: Automotive faculty will review, revise and evaluate learning outcome targets each semester.



What resources are currently used to close the loop?

- Faculty and Instructional Support time:
 - Different auto courses are taught each semester. Resetting visual aids/props, moving equipment in and out of storage, and maintaining program NATEF standards all require substantial time and effort.
 - Student advising, tutoring, administrative duties and advising Auto Club all preformed by two faculty and one instructional support associate.



What resources are being requested to close the loop?

- Potential resources that you might identify:
 - Adjust curriculum to align with NATEF standards in TaskStream.
 - Perhaps add course materials to BlackBoard and create online course.
 - Produce video instruction for students.
 - Increase program budget to maintain instructional equipment: ie: to obtain a 2012 or newer car in the lab with ESC, Mode 6, VVT, and CAN which all current cars have, but we don't: approximately \$19,000
 - video streaming equipment for lab demonstrations.



Attachments: 2017 SLO Findings



SLO 1 - Communication Skills Assessment Findings 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	N	Лet	Exce	eded	No Fi	ndings
	<u>N</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
All Courses	78	5	6%	14	18%	41	53%	18	23%
BSAD 340	2	0	0%	0	0%	1	50%	1	50%
ENGL 101	69	5	7%	9	13%	38	55%	17	25%
SOET 477	7	0	0%	5	71%	2	29%	0	0%



SLO 3 - Knowledge Management Skills Assessment Findings Data

SLO 3 - Interpret, produce, and present work-related documents and information effectively and accurately.

	Measures	Not Met		Met		Exceeded		No Findings	
	<u>N</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
All Courses	28	0	0%	13	46%	5	18%	10	36%
BSAD 340	2	0	0%	0	0%	1	50%	1	50%
MATH 141	16	0	0%	8	50%	0	0%	8	50%
SOET 377	3	0	0%	0	0%	2	67%	1	33%
SOET 477	7	0	0%	5	71%	2	29%	0	0%



SLO 4 - *Technical Skills*Assessment Findings Data

SLO 4 - Use a variety of technological tools appropriate & necessary for the performance of tasks.

	Measures	Not Met		Met		Exceeded	
	N	N	%	N	%	N	%
All Courses	20	4	20%	9	45%	7	35%
BSAD/SOET 361	13	4	31%	4	31%	5	38%
SOET 477	7	0	0%	5	71%	2	29%

