FALL

2018

SLOA Reports

(AUTO100-Automotive Fundamentals,BIO217: Human Anatomy & Physiology I, CRT100 Intro to Collision Repair, CS112 Intro to Operating Systems & CS220 A+ Essentials w/Practical Applications)

Luna Community College

AUTOMOTIVE FUNDAMENTALS AUTO 100

FALL 2018 SECTION 01 CLOA PRESENTATION

Eugene Sandoval

Automotive Instructor

Luna Community College

Trades

Luna Community College

Purpose

The purpose of this report is to assess student learning based on the established Course Learning Outcomes for (Course # Auto 100 Automotive Fundamentals) course. The focus of this report is to document the methods and results of the assessments that were used throughout the course. The results will then be used to make informed decisions on modifications to course content, emphasis teaching methodologies, and improvements in student learning.

Luna Community College

Course Description

- This course provides the foundation of automotive technology with basic engine theory and operation. Includes lubrication and cooling systems, standards for safety and shop operations, also covers tools and supplies used in the industry. Maintenance procedures and schedules are also covered along with diagnostic concepts. Use of information systems, both printed and computer based, is covered. Industry opportunities and trends are covered along with customer service and professionalism. Practical applications are covered.

Luna Community College

Course Learning Outcomes

1. Students will take and pass chapter 7 safety test with 100% in order to be allowed in the shop. Students will also take and pass computer based tests in order to receive a certification valid for one year with SP/2 (see attached examples).
2. Students will understand what is needed to become ASE (Automotive Service Excellence) certified in any of the 8 ASE areas.
3. Identify hand and power tools used in the automotive industry and know how to properly use them.
4. Know how to properly fill out work orders and understand how to use flat rate charts using both paper and computer generated work orders.

Luna Community College

Course Learning Outcomes

5. Identify bolts metric and customary and know how to make and repair threads.

6. Identify, know how to check, and replace fluids in the vehicle. Will also learn how to perform an oil change. Students will also earn 5 certificates in the Valvoline learning system see attached sample cerifications.

Luna Community College

Student Sample Certification

CERTIFICATE OF COURSE COMPLETION

IGNITION PROGRAM

PRESENTED TO

FOR PARTICIPATION & SUCCESSFUL COMPLETION OF

Resumes and Interviewing 101

9/25/2018

DATE

Valvoline

THOM SMITH, TECHNICHAL DIRECTOR
VALVOLINE BRAND

Luna Community College

Student Sample Certification

CERTIFICATE OF COURSE COMPLETION

IGNITION PROGRAM

PRESENTED TO

FOR PARTICIPATION & SUCCESSFUL COMPLETION OF

People Skills 101

9/25/2018

DATE

Valvoline

THOM SMITH, TECHNICHAL DIRECTOR
VALVOLINE BRAND

Luna Community College

Student Sample Certification

CERTIFICATE OF COURSE COMPLETION

IGNITION PROGRAM

PRESENTED TO

FOR PARTICIPATION & SUCCESSFUL COMPLETION OF

Motor Oil 101

9/25/2018

DATE

Valvoline

THOM SMITH, TECHNICHAL DIRECTOR
VALVOLINE BRAND

Luna Community College

Student Sample Certification

CERTIFICATE OF COURSE COMPLETION

IGNITION PROGRAM

PRESENTED TO

FOR PARTICIPATION & SUCCESSFUL COMPLETION OF

Automotive Fluids 101

9/25/2018

DATE

Valvoline

THOM SMITH, TECHNICHAL DIRECTOR
VALVOLINE BRAND

Luna Community College

Sample Student Certification

CERTIFICATE OF COURSE COMPLETION

IGNITION PROGRAM

PRESENTED TO

FOR PARTICIPATION & SUCCESSFUL COMPLETION OF

Automotive Chemicals 101

9/25/2018

DATE

Valvoline

THOM SMITH, TECHNICHAL DIRECTOR
VALVOLINE BRAND

Luna Community College

Sample Student Certification

S/P2®

has successfully completed
online training for

S/P2 Supervisor's Course (New)

Certificate Valid Through: 2019-08-28
Number: d41d8cd98f

Kelly Zeih, Director of S/P2

Luna Community College

Sample Student Certification

S/P2®

has successfully completed
online training for

S/P2 Automotive Service Safety

Certificate Valid Through: 2019-08-24
Number: d41d8cd98f

Kelly Zeih, Director of S/P2

Luna Community College

Assessment Methods

- 85%GIVENASSIGNMENTS/PROJECTS/TESTS/MIDTERM/SAFETY/FINAL TEST, 15% ATTENDANCE GRADES 90 – 100 = A, 80 – 89 = B, 70–79 =C, 60–69 = D, 59 BELOW = F.

Pre/Post-Test

Pre	38	42	54	60	52	40	4	2	54	26	28	####
Post		56	70		52	58	48	60	68	56		####

Luna Community College

Grade Distribution

What was the ultimate outcome?

Grade Distribution

Beginning Enrollment: 12

Course	A's	B's	C's	D's	F's	I	AU	S	U	W	Total	%A's	%B's	%C's	%I's	%S's	%U's	*Percent Retention
	0	4	4	3	0					1	12	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

* Students earning A,B or C, S grades

Luna Community College

COURSE Competency Rubric

Overview & analysis of the outcomes can be documented here.

Course Learning Outcomes/Comptenecy

CLO's/ Competencies
List CLO's/Copmetencies Ex: 1. Demonstrate.....

RUBRIC:
*5=Excellent
*4=Good
*3=Average
*2=Unsatisfactory
*1= Poor

Students

CLO	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Avg
1																											####
2																											####
3																											####
4																											####
5																											####
6																											####
7																											####
8																											####
9																											####
10																											####
11																											####
12																											####
13																											####
14																											####
15																											####
Avg	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####

Luna Community College

Conclusion

Pre/Post test were used in course. All who took the post test showed improvement. 1 student got the same score on the pre/post test, but expressed that he learned something because he did not guess on questions on post test. Need to create a rubric for outcomes to better gauge students progress versus job sheet completion. 1 student withdrew towards end of the semester but student was alerted since first 4 week early alert. Students that did not get a passing grade did not realize the importance of computer based homework and attendance. Future classes I will emphasize on the importance of homework and attendance.

Luna Community College

BIO217: HUMAN ANATOMY & PHYSIOLOGY I

01/01, 02, 03, 04L – FALL 2018

CLOA PRESENTATION

Breanna Gould, MSc
Biology Faculty, Faculty Advisor, Vice Chair Faculty Senate
Allied Health Sciences
Luna Community College

Luna Community College

Purpose

The purpose of this report is to assess student learning based on the established Course Learning Outcomes for BIO 217: Human Anatomy & Physiology I. The focus of this report is to document the methods and results of the assessments that were used throughout the course. The results will then be used to make informed decisions on modifications to course content, emphasis teaching methodologies, and improvements in student learning.

Luna Community College

Course Description

Human Anatomy & Physiology I (BIO 217) is a required course for students interested in pursuing a pre-nursing degree and/or careers in allied health – including medicine, dentistry, pharmacy, and/or biomedical research. In this course, the structure and function of the human body is studied at the cellular, tissue, organ, and organ system levels of organization. The integumentary, skeletal, muscular, and nervous systems are discussed in detail. Material is delivered in both lecture and laboratory settings. Prerequisite: ENG 095 or equivalent COMPASS/ACCUPLACER/ACT scores.

Luna Community College

Course Learning Outcomes

1. Describe general biology and chemistry required to describe cellular function
2. Describe multicellular organization
3. Describe and apply anatomical terminology
4. Distinguish and describe major tissue types
5. Describe the structure and function of the integumentary system
6. Describe the structure and function of the muscular system
7. Describe the structure and function of the nervous
8. Define homeostasis, and describe specific examples of normal/clinically abnormal examples from the integumentary, skeletal, muscular, and nervous systems

Luna Community College

Assessment Methods

- 60% Lecture
  - *30% Exams (3)*
  - *25% Study Guides/Coloring Homework*
- 30% Laboratory
  - *25% Laboratory Exercises and Dissection Portfolio*
  - *10% Laboratory Practical*
- 10% Attendance

Luna Community College

Grade Distribution

Met departmental goal of retaining 80% of students enrolled in BIO217. BIO217 is considered a gatekeeping course, therefore of the 80%, we expect to retain 90% or better of students completing AHC/AHAS credentials.

Beginning Enrollment: 61

Course	A's	B's	C's	D's	F's	I	AU	S	U	W	Total	%A's	%B's	%C's	%I's	%S's	%U's	*Percent Retention
BIO217	14	30	5	3	4	0	0	0	0	5	61	23%	49%	8%	0%	0%	0%	80%

* Students earning A,B or C, S grades

Luna Community College

Course Competency Rubric

https://www.dropbox.com/s/75hbpp91e36a04q/End%20of%20Semester%20Course%20Data%20Form%20CLO%20Fall2018_BIO217_Students_1-40.xlsx?dl=0

https://www.dropbox.com/s/xibwo9nikzwxyz0/End%20of%20Semester%20Course%20Data%20Form%20CLO%20Fall2018_BIO217_Students_41-61.xlsx?dl=0

Luna Community College

Conclusion

Total Retention: 80%

Student Effectiveness per Assessment Method:
Lab 1: 96%; Lab2: 96%; Lab 3: 92%; Lab 4: 91%; Lab 5: 92%; Lab 6: 89%; Labs 7&8: 88%; Lab 10: 89%
Dissection Lab Portfolio: 91%; Lab Practical: 50%
Coloring Unit 1: 89%; Exam 1: 61%
Coloring Unit 2: 93%; Exam 2: 63%
Coloring Unit 3: 89%; Exam 3: 46%

Improvement:
Exams 1-3: Consider external study session facilitated by myself or a tutor, already give study guides (review them in class), and include an entire class session of review. Exam questions are derived from study guides and lecture materials.
Lab Practical: Falls after thanksgiving break, believe that altering timing will give students one-on-one review time that they do not exploit during the review session that takes place before break.

Luna Community College

CRT 100
Intro to collision repair
FALL 2018 SECTION01

Anthony c Baca
Vocational Education
Luna Community College
Instructor

Luna Community College

Purpose

The purpose of this report is to assess student learning based on the established Course Learning Outcomes for CRT 100 Intro to collision repair course. The focus of this report is to document the methods and results of the assessments that were used throughout the course. The results will then be used to make informed decisions on modifications to course content, emphasis teaching methodologies, and improvements in student learning.

Luna Community College

Course Description

- This is an introductory course covering the basics of auto body repair including safety orientation, hand tools, power tools, equipment, basic metal straightening ,and surface preparation.

Luna Community College

Course Learning Outcomes

1. Remove paint from the damaged area of a body panel. HP-1
2. Locate and repair surface irregularities on a damaged body panel. HP-1
3. Demonstrate hammer and dolly techniques. HP-I
4. Heat shrink stretched panel areas to proper contour. HP-I
5. Cold shrink stretched panel areas to proper contour. HP-I
6. Prepare and apply body filler. HP-I
7. Identify different types of body fillers. HP-G
8. Rough sand body filler to contour; finish sand. HP-I
9. Determine the proper metal finishing techniques for aluminum. HP-G
10. Determine proper application of body filler to aluminum. HP-G
11. Remove corrosion protection, under coatings, sealers, and other protective coatings as necessary to perform repairs. HP-I
12. Inspect, remove, and reinstall repairable plastics and other components for off-vehicle repair. HP-I

Luna Community College

Assessment Methods

- 10% Attitude, Attendance & Participation (AAP)
- 10% Chapter Quizzes (text book)
- 20% Midterm Exam
- 30% Lab/Shop
- 30% Final

Luna Community College

Grade Distribution

What was the ultimate outcome?

Grade Distribution

Beginning Enrollment: 11

82% *Per-cen Retentio

Course	A	B	B	D	F	I	AU	S	U	W	Total	%A's	%B's	%C's	%I's	%S's	%U's
	3	4	1				1			2		33	44	11			

89%

* Students earning A,B or C, S grades

Luna Community College

COURSE Competency Rubric

Overview & analysis of the outcomes can be documented here.

Course Learning Outcomes/Comptenecy

RUBRIC:
*5=Excellent
*4=Good
*3=Average
*2=Unsatisfactory
*1= Poor

Luna Community College

CLO's/ Competencies
List CLO's/Copmetencies Ex: 1. Demonstrate.....

1. Remove paint from the damaged area of a body panel. HP-1
2. Locate and repair surface irregularities on a damaged body panel. HP-1
3. Demonstrate hammer and dolly techniques. HP-I
4. Heat shrink stretched panel areas to proper contour. HP-I
5. Cold shrink stretched panel areas to proper contour. HP-I
6. Prepare and apply body filler. HP-I
7. Identify different types of body fillers. HP-G
8. Rough sand body filler to contour; finish sand. HP-I
9. Determine the proper metal finishing techniques for aluminum. HP-G
10. Determine proper application of body filler to aluminum. HP-G
11. Remove corrosion protection, under coatings, sealers, and other protective coatings as necessary to perform repairs. HP-I
12. Inspect, remove, and reinstall repairable plastics and other components for off-vehicle repair. HP-I

Students

CLO	A	B	C	D	E	F	G	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Avg
1	4	4	4	3	4	3	3																			####
2	4	4	4	3	4	3	3																			####
3	3	4	4	3	4	3	3																			####
4	3	4	4	3	3	3	3																			####
5	3	3	4	3	3	3	3																			####
6	4	4	4	3	4	3	3																			####
7	3	4	4	3	4	3	3																			####
8	4	4	4	3	4	3	3																			####
9	2	2	2	2	2	2	2																			####
10	2	2	2	2	2	2	2																			####
11	4	4	4	3	3	3	3																			####
12	4	4	4	3	3	4	2																			####
																										####
	40=3.3	43-=3.5	44-3.6	34-=2.8	40=3.3	35–2.9	33–2.7																			####
Avg	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####

Conclusion

The program would benefit from linking specific ASE certifications to specific courses. It would also be beneficial, if possible, to have the instructors receive certification to proctor the ASE certification exams so they could be offered at LCC. We would also like to incorporate the ASE testing fees into the course registration fees.

It was also noted that aluminum working tools and materials are needed for training in this medium to keep up with current collision repair market needs.

Luna Community College

CS112
INTRODUCTION TO OPERATING SYSTEMS
FALL 2018 01
CLOA PRESENTATION

Nichole Collins
STEM
Luna Community College
CS Faculty

Luna Community College

Purpose

The purpose of this report is to assess student learning based on the established Course Learning Outcomes for **CS112 Introduction to Operating Systems** course. The focus of this report is to document the methods and results of the assessments that were used throughout the course. The results will then be used to make informed decisions on modifications to course content, emphasis teaching methodologies, and improvements in student learning.

PLO being assessed.

PLO #3. Maintain and differentiate between different operating systems:

General Education Core being assessed:

- Communication
- Critical Thinking
- Digital Literacy

Luna Community College

Course Description

This course offers a brief introduction to operating systems where students will gain an understanding of the terms process, scheduling, memory, file management, processes and threads. Students will learn to use editors, compilers, linkers, assemblers, debuggers, and program assembly using libraries. Students will master concepts of process, threads, forks, and dinner's problem done with Linux.

Pre requisite: CS105 (3 Credit hours).

Luna Community College

Course Learning Outcomes

Course Learning Outcomes found on the syllabus will be entered here.

1. Describe the purpose and theory of operating systems
2. Differentiate between various operating systems
3. Demonstrate standard operating and maintenance procedures
4. Configure storage devices, I/O devices, remote communication devices and network connectivity

Luna Community College

Assessment Methods

- 10% Attitude, Attendance & Participation (AAP)
- 10% Assignments
- 10% Chapter Quizzes (text book)
- 20% Exams (3) (text book)
- 30% Lab Simulator
  - *10% Section Quizzes*
  - *10% Labs*
  - *10% Exams (4)*
- 20% Final

Pre-Test	Post-Test
	59
	0
	75
	0
	86

Pre-Test	Post-Test
	72
	93
	83
	0
	84
	92
	88
	0

The average Final Exam score is 56.3

The benchmark for the final exam (Certification) is a 1440 the target is >=1500.
7 out of 9 who took the exam scored >1500.

Luna Community College

Grade Distribution

Thirteen students enrolled in the course, none withdrew which led to a 62% retention as 5 students did not meet the benchmark of a 70% for the course. There are different reasons to why a student would not meet the benchmark, major factors of not succeeding is not attending class and completing the assigned materials.

Grade Distribution

Beginning Enrollment: 13

Course	A's	B's	C's	D's	F's	I	AU	S	U	W	Total	%A's	%B's	%C's	%D's	%I's	%S's	%U's	*Percent Retention
CS112	2	4	2	1	4						13	15%	31%	15%	8%	0%	0%	0%	62%

Luna Community College

COURSE Competency Rubric

Students on average were successful in mastering the course learning outcomes for CS112. Students practice the skills using lab simulations, as well as taking text book exams and assignments to practice the theory subject matter.

Students	1	2	3	4	Average
1	2	2	2	2	2
2	1	1	1	1	1
3	3	3	3	3	3
4	1	1	1	1	1
5	5	5	5	5	5
6	3	3	3	3	3
7	5	5	5	5	5
8	4	4	4	4	4
9	1	1	1	1	1
10	4	4	4	4	4
11	4	4	4	4	4
12	4	4	4	4	4
13	1	1	1	1	1
Average	2.92	2.92	2.92	2.92	2.92

Luna Community College

Conclusion

Based on the findings from Year 1 of the CLO Assessment Plan a action plan was created.
For Year 2, 2018-2019 academic year: I reduced the number of questions for Textbook quizzes and if needed modified the amount of time spend within the Textbook. I also allowed for more class time to be used to cover materials and practice using TestOut Labsim.

Eight out of nine students who took the final exam (ClientPro Certification) earned their Certification.

Year 2 Action Plan: I will continue to modify the materials from the textbook and look for more way to have the students practice what they learn. The course description will also be updated in the new catalog and syllabus.

Luna Community College

CS220

A+ ESSENTIALS W/ PRACTICAL APPLICATIONS

FALL 2018 01

CLOA PRESENTATION

Nichole Collins
STEM
Luna Community College
CS Faculty

Luna Community College

Purpose

The purpose of this report is to assess student learning based on the established Course Learning Outcomes for **CS220 A+ Essentials w/ Practical Applications** course. The focus of this report is to document the methods and results of the assessments that were used throughout the course. The results will then be used to make informed decisions on modifications to course content, emphasis teaching methodologies, and improvements in student learning.

PLO being assessed.

PLO #8. Use the techniques and skills for professional practice

General Education Core being assessed:

- Communication
- Critical Thinking
- Digital Literacy

Luna Community College

Course Description

A+ Essentials with Practical Applications prepares students for CompTIA's Exam 220-701 and 220-702. The lecture focuses on operating system and hardware concepts; the practical lab applications focus on installing, configuring and troubleshooting hardware.

Prerequisites: CS105.

Luna Community College

Course Learning Outcomes

Course Learning Outcomes found on the syllabus will be entered here.

1. Set up a new computer and identify system requirements when purchasing a new computer.
2. Understand the technology and specifications used to describe computer components, and make informed choices about which device characteristics are required for your situation.
3. Install or upgrade the operating system.
4. Manage external devices.
5. Install and upgrade internal computer and laptop components.
6. Troubleshoot computer components.
7. Install, partition, and format hard disk storage.
8. Configure a small office/home office (SOHO) network.
9. Configure system security settings.
10. Troubleshoot system startup.
11. Back up and recover a computer and user data.

Luna Community College

Assessment Methods

- 10% Attitude, Attendance & Participation (AAP)
- 10% Discussions/INJ
- 30% Lab Simulator
  - *10% Quizzes*
  - *10% Labs*
  - *10% Assignments (videos)*
- 20% Exams (4)
- 30% Certification EXAM (Mandatory)

The average Final Exam score is 70.5.

The benchmark for the final exam (Certification) is a 1360 the target is >=1500.
9 out of 10 who took the exam scored >1500.

Pre-Test	Post-Test
66	85
98	75
94	78
0	79
10	0
79	92
0	

Luna Community College

Grade Distribution

Thirteen students enrolled in the course, none withdrew which led to a 75% retention as 3 students did not meet the benchmark of a 70% for the course. There are different reasons to why a student would not meet the benchmark, major factors of not succeeding is not attending class and completing the assigned materials.

Grade Distribution

Beginning Enrollment: 12

Course	A's	B's	C's	D's	F's	I	AU	S	U	W	Total	%A's	%B's	%C's	%D's	%I's	%S's	%U's	*Percent Retention
CS220	3	1	5	0	3	0					12	25%	8%	42%	0%	0%	0%	0%	75%

Luna Community College

COURSE Competency Rubric

Students on average were successful in mastering the course learning outcomes for CS220. Students practice skills using lab simulations, and keep up with technology news

Students	1	2	3	4	5	6	7	8	9	10	11	Average
1	1	1	1	1	1	1	1	1	1	1	1	1
2	3	3	3	3	3	3	3	3	3	3	3	3
3	5	5	5	5	5	5	5	5	5	5	5	5
4	3	3	3	3	3	3	3	3	3	3	3	3
5	5	5	5	5	5	5	5	5	5	5	5	5
6	3	3	3	3	3	3	3	3	3	3	3	3
7	1	1	1	1	1	1	1	1	1	1	1	1
8	3	3	3	3	3	3	3	3	3	3	3	3
9	5	5	5	5	5	5	5	5	5	5	5	5
10	3	3	3	3	3	3	3	3	3	3	3	3
11	4	4	4	4	4	4	4	4	4	4	4	4
12	1	1	1	1	1	1	1	1	1	1	1	1
Average	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08

Luna Community College

Conclusion

Based on the findings from Year 1 of the CLO Assessment Plan a action plan was set in place.
For Year 2 2018-2019 academic year I followed the plan set and allowed the students more time to review and practice within LabSim during course time. Students were also encouraged to help each other when find it difficult to accomplish labs.

Nine out of ten students who took the final exam (PCPro Certification) earned their Certification.

Year 2 Action Plan: Based on the findings from Year 2 the course description will updated to remove the specifiv exam number as they change. I will also have supplemental assignment to align with the sections in LabSim. I will incorporate more soft skill learning.

Luna Community College