

Lakeland Community College is a Higher Learning Commission (HLC) accredited AQIP Institution.

The following pages contain the latest published Program Student Learning Outcomes Results for the Fire Science Technology degree program. The AY 2017-2018 results will be published after November 1, 2018

Lakeland Community College » ACADEMIC AND STUDENT AFFAIRS » Academic Divisions » Applied Studies
Fire Science & Emergency Management Department

2016-2017 Assessment Cycle

Assessment Findings

Finding per Measure

Fire Science Department Outcome Set

Outcome 1

Articulate the five areas of the National Incident Management System (NIMS).

Performance Indicator: 1.3

Define and give examples of resource management.

▼ **Measure:** Resource Mgt

Details/Description:	In FIRE 2280 students will be assessed on a written final examination, and/or by in-class (or online) simulations and case studies. There will be a question or questions on the final exam that will be directly related to this performance indicator.
Acceptable Target:	70%
Ideal Target:	80%
Implementation Plan (timeline):	Fall semester 2016
Key/Responsible Personnel:	Professor Lee Silvi, Program Director (online course) Tom Sitz (face to face course)

Findings for Resource Mgt

Summary of Findings:	A question was included in the final exam to evaluate this outcome. 81.25% of the students answered the question correctly.
Results :	Acceptable Target Achievement: Exceeded; Ideal Target Achievement : Exceeded
Recommendations:	
Reflections/Notes:	

Performance Indicator: 1.4

Define and give examples of command and management.

▼ **Measure:** Command & Mgt
Course level Direct - Other

Details/Description:	In FIRE 2280 students will be assessed on a written final examination, and/or by in-class (or online) simulations and case studies. There will be a question or questions on the final exam that will be directly related to this performance indicator.
Acceptable Target:	70%
Ideal Target:	80%
Implementation Plan (timeline):	Fall semester 2016
Key/Responsible Personnel:	Professor Lee Silvi, Program Director (online course) Tom Sitz (face to face course)

Findings for Command & Mgt

Summary of Findings:	A question was included in the final exam to evaluate this outcome. 90% of the students answered the question correctly.
Results :	Acceptable Target Achievement: Exceeded; Ideal Target Achievement : Exceeded
Recommendations:	
Reflections/Notes:	

Outcome 2
Describe and distinguish building components and systems.

Performance Indicator: 2.1
Identify various fire alarm systems.

▼ **Measure:** Written test
Course level Direct - Exam

Details/Description:	In FIRE1170 students will be assessed on a written final examination. There are questions directly related to this performance indicator.
Acceptable Target:	70%
Ideal Target:	80%
Implementation Plan (timeline):	This performance indicator was last assessed in 2014-15. It will be assessed again in 2016-2017, and every two years thereafter.
Key/Responsible Personnel:	Professor Lee Silvi, Program Director

Findings for Written test

Summary of Findings:	A multiple answer / matching question was included in the final exam to evaluate this outcome. The class average on this question was 81.2%.
Results :	Acceptable Target Achievement: Exceeded; Ideal Target Achievement : Exceeded
Recommendations:	
Reflections/Notes:	

Performance Indicator: 2.2

Identify the major components of various types of fire protection systems.

- ▼ **Measure:** Written test
Program level Direct - Exam

Details/Description:	In FIRE1170 students will be assessed on a written final examination. There are questions directly
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related to this performance indicator.

Acceptable Target: 70%
Ideal Target: 80%
Implementation Plan (timeline): Fall 2017
Key/Responsible Personnel: Professor Lee Silvi, Program Director

Findings for Written test

Summary of Findings: A multiple answer / matching question was included in the final exam to evaluate this outcome. The class average on this question was 81.25%.

Results : Acceptable Target Achievement: Exceeded;
Ideal Target Achievement : Exceeded

Recommendations:
Reflections/Notes:

Outcome 3

Choose appropriate strategy, tactics, and methods to successfully manage emergency incidents.

Performance Indicator: 3.1

List strategic goals in priority order for various types of incidents.

- ▼ **Measure:** Strategic goals
Course level Direct - Exam

Details/Description: In FIRE 2280 students will be assessed on a written final examination. There are questions directly related to this performance indicator.

Acceptable Target: 70%

Ideal Target:	80%
Implementation Plan (timeline):	Fall semester 2016
Key/Responsible Personnel:	Professor Lee Silvi, Program Director (online course) Tom Sitz (face to face course)

Findings for Strategic goals

Summary of Findings:	A question was included in the final exam to evaluate this outcome. 81.25% of the students answered the question correct
Results :	Acceptable Target Achievement: Exceeded; Ideal Target Achievement : Exceeded
Recommendations:	
Reflections/Notes:	

Performance Indicator: 3.2

Analyze and select the appropriate tactics and methods to achieve strategic goals.

- ▼ **Measure: Tactics**
Course level Direct - Other

Details/Description:	In FIRE 2280 students will be assessed on a written final examination, and/or by in-class (or online) simulations and case studies. There will be a question or questions on the final exam that will be directly related to this performance indicator.
Acceptable Target:	70%
Ideal Target:	80%

Implementation Plan (timeline): Fall semester 2016
Key/Responsible Personnel: Professor Lee Silvi, Program Director (online class)
Tom Sitz (face to face class)

Findings for Tactics

Summary of Findings: A question was included in the final exam to evaluate this outcome. 81.25% of the students answered the question correct

Results : Acceptable Target Achievement: Exceeded;
Ideal Target Achievement : Exceeded

Recommendations:
Reflections/Notes:

Outcome 4
Demonstrate and exhibit an understanding of the profession of the fire service.

Performance Indicator: 4.3

Analyze current issues and develop appropriate solutions that impact the fire science professional.

▼ **Measure:** Current issues
Program level Direct - Student Artifact

Details/Description: Students in FIRE 2490 complete a capstone project that revolves around a current issue selected by the student, and said student proposing solutions to the issue/problem.

Acceptable Target: 70%

Ideal Target: 80%

Implementation Plan (timeline): Spring 2017

Key/Responsible
Personnel:

Professor Lee Silvi, Program Director

Findings for Current issues

Summary of Findings:

This course revolves around 'Current issues' facing the fire and emergency services. 85.7% of the students succeeded in appropriately proposing a solid solution to an identified current issue selected by the student.

Results :

Acceptable Target Achievement: Exceeded;
Ideal Target Achievement : Exceeded

Recommendations:

Reflections/Notes:

Performance Indicator: 4.4

Articulate why "Everyone Goes Home" is important to firefighter safety and survival.

▼ **Measure:** "Everyone Goes Home"

Course level Direct - Exam

Details/Description:

In FIRE 2380 the students will articulate why "Everyone Goes Home" is important to firefighter safety and survival. The program director is the instructor for both the classroom based and online course, and will determine the best assessment method to ensure this is achieved.

Acceptable Target:

70%

Ideal Target:

80%

Implementation Plan

Spring 2017

(timeline):

Key/Responsible

Lee Silvi

Personnel:

Findings for "Everyone Goes Home"

Summary of Findings:

90% of the students submitted proof of completing the "Everyone Goes Home" sub-course via the external link provided in EMGT 2380.

Results :

Acceptable Target Achievement: Exceeded;
Ideal Target Achievement : Exceeded

Recommendations:

Reflections/Notes:

Overall Recommendations

No text specified

Overall Reflection

No text specified

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