



Evaluation of Student Learning

Program	Fire Protection Technology AAS (A55240)
Evaluation Period:	2022-23
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List all Program Learning Outcomes

1. Demonstrate a knowledge of how and why the fire service incorporates safety and health principles and practices as well as their application in emergency and non-emergency situations.
2. Demonstrate an understanding of building construction and components as they relate to fire and life safety, including inspections, pre-incident planning, and emergency operations.
3. Demonstrate a knowledge of fire service organization and management.
4. Demonstrate the ability to to compose an incident action plan for various emergency and non-emergency events using the National Incident Management System (NIMS) and implement the the appropriate strategies and tactics taking into account resources, accountability, and firefighter safety.

Support of College Mission Statement: The RCCC Fire Protection Technology Program provides students with the technical knowledge and skills necessary for advancement within the fire protection community and related firefighting industries through a sound foundation for continuous learning in fire protection, administration, and management. The FPT program strives to enhance students' employment opportunities with providers of emergency services by providing the necessary foundation of technical , professional, and career specific skills to be successful in an entry-level fire service environment.

Outcomes for Programs

<p>I. PLO</p>	<p>II. Courses associated with the PLO</p>	<p>III. Methods of Assessment and Target (Short description of each assessment used to assess each outcome) Identify the target you hope to achieve.</p>	<p>IV. Assessment Results and Analysis of Results (include data and discuss the results).</p>	<p>V. Use of Results: Changes to be implemented next cycle.</p>
<p>Demonstrate a knowledge of how and why the fire service incorporates safety and health principles and practices as well as their application in emergency and non-emergency situations.</p>	<p>FIP 162, FIP 220, FIP 221</p>	<p>90% or more of FIP 162, FIP 220, and FIP 221 students will successfully complete an assessment of a NIOSH report that includes summary of an incident, contributing factors, recommendations, and any other related facts and details.</p>	<p>100% of FIP 162, FIP 220, and FIP 221 students successfully completed an assessment of a NIOSH report that included a summary of the incident, contributing factors, recommendations, and other related facts and details.</p>	<p>This assessment will remain in place and continue to be a base for measurement of students' knowledge of best practices regarding safety and health during emergency and non-emergency incidents.</p> <p>It would be advantageous to expand assignments to include assessment of students' knowledge of healthy lifestyle options to maximize health as a fire service member.</p>

<p>Demonstrate an understanding of building construction and components as they relate to fire and life safety, including inspections, pre-incident planning, and emergency operations.</p>	<p>FIP 124, FIP 132, FIP 220, FIP 221</p>	<p>90% of FIP 132 students will successfully complete a detailed assessment demonstrating a thorough working knowledge of building construction factors that directly contribute to fire and life safety.</p>	<p>100% of FIP 132 students successfully completed a detailed assessment that demonstrated a thorough working knowledge of building construction factors that directly contribute to fire and life safety.</p>	<p>This assessment will remain in place and continue to be utilized as an assessment of students' knowledge of building construction principles as they directly relate to fire and life safety.</p>
<p>Demonstrate a knowledge of fire service organization and management.</p>	<p>FIP 240, FIP 248, FIP 276</p>	<p>90% of FIP 276 students will successfully demonstrate the ability to identify response needs for different type communities based on occupancies including population and density. Students will also observe and summarize the management and organization of a large working incident.</p>	<p>100% of FIP 276 students successfully completed a demonstration of knowledge to identify response needs based on occupancy types including population and density. 100% of FIP 276 students successfully observed and summarized the management and organization of a large working incident.</p>	<p>These assessment will remain in place and continue to be utilized as an assessment of students' knowledge of fire service management and organization.</p>

<p>Demonstrate the ability to compose an incident action plan for various emergency and non-emergency events using the National Incident Management System (NIMS) and implement the appropriate strategies and tactics taking into account resources, accountability, and firefighter safety.</p>	<p>FIP 220, FIP 221</p>	<p>90% or more of FIP 220 & FIP 221 students will successfully obtain FEMA Certifications IS 100, IS 200, and IS 2200.</p>	<p>94% of FIP 220 & FIP 221 students successfully obtained IS 100, IS 200, and IS 2200 FEMA Certifications.</p> <p>Students gained a proficient level of skill using the NIMS system and successfully applied these proficiencies to course objectives.</p>	<p>This assessment will remain in place and continue to be a base for measurement of students' efficiency in use of the NIMS system.</p>
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