

<p><b>FOD 101--Required Fire Officer I:</b>  This course is an introduction to a fire officer's duties. The content includes report writing, diversity issues, work-place safety, decision-making, quality assurance, supervisory practices; pre-incident planning, fire cause, emergency operations, compliance issues, scene safety, incident management, strategy/tactics, size-up action planning and the function of a Public Information Office.</p> <p>Prereq: FOD 131 or Instructor Permission</p>	<p>During this course, students will demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Explain the role of a company level fire officer.</li> <li>• Demonstrate effective report writing skills.</li> <li>• Describe the cultural diversity issues within the fire service and identify the techniques for effectively managing them.</li> <li>• Identify and describe the principles of quality assurance programming from a budgetary and customer service perspective.</li> <li>• Demonstrate knowledge of fire officer's role in supervising fire department operations at the company level.</li> <li>• Identify and describe the building code, fire characteristics, and hazard analysis items associated with pre-incident planning.</li> <li>• Identify and describe the fire officer's role in determining fire cause and the investigation process.</li> <li>• Identify and describe the principles of emergency service communications and interagency operations.</li> <li>• Identify and describe the fire officer's responsibility with compliance and accountability issues.</li> <li>• Identify the fire officer's role within the Incident Management System as well as the development and application of this system.</li> <li>• Describe the process for developing pre-incident strategic and tactical action plans.</li> <li>• Identify the elements of conducting a size-up and determining resource requirements.</li> <li>• Apply the principles of incident action planning during simulated exercises.</li> <li>• Describe the Public Information Officer's function and role while interfacing with the community and media.</li> </ul>
<p><b>FOD 110--Required Fire Service Leadership:</b>  This course is designed to enhance the fire officer's effectiveness and leadership skills. Includes conflict resolution, creativity, personal power, ethics, problem-solving,</p>	<p>During this course, students will demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Describe the challenges faced by the company officer when managing multiple roles.</li> <li>• Define the importance of fostering workplace creativity.</li> <li>• Demonstrate the various forms/methods for enhancing personal power.</li> <li>• Describe the company officer's relationship with maintaining workplace ethics and discipline.</li> <li>• Identify and describe the importance of utilizing various</li> </ul>

<p><b>FOD 110-continued</b>  decision-making, situational leadership, delegating, coaching and discipline.</p> <p>Prereq: FOD 101 or Instructor Permission</p>	<p>decision-making styles.</p> <ul style="list-style-type: none"> <li>• Identify and describe the application of various problem-solving techniques.</li> <li>• Identify the characteristics and techniques for running an effective meeting.</li> <li>• Demonstrate the principles and techniques of applying situational leadership as well as delegating responsibilities to others and coaching subordinate personnel.</li> <li>• Develop their own personal leadership philosophy including the importance of relationship building and the skills and abilities needed to lead others and organizations.</li> </ul> <p><b>NOTE: Students who have successfully completed National Fire Academy courses:</b></p> <p>R123 Executive Leadership  <b>or</b>  R125 Executive Leadership  <b>or the series:</b>  F803 Leadership I: Strategies <b>and</b>  F804 Leadership II: Strategies for Personal Success <b>and</b>  F805 Leadership III: Strategies for Supervisory Success</p> <p><b>are encouraged to pursue a course challenge.</b></p>
<p><b>FOD 131--Required Fire Instructor I:</b>  This course includes instructor challenges, presentation skills, legal considerations, student learning, delivery methods, instructional methods, instructional media and evaluating performance.</p>	<p>During this course, students will demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify the challenges associated with emergency services instruction.</li> <li>• Apply the skills needed to effectively speak before a group.</li> <li>• Describe the instructor’s role with workplace safety.</li> <li>• Identify and describe the legal considerations of fire service instruction to include the types of laws, tort liability and copyright laws.</li> <li>• Identify and describe the psychology of student learning to include learning process, learning and remembering, and learner characteristics.</li> <li>• Describe the elements of instructional delivery to include managing behavior, the physical setting and methods of delivery.</li> <li>• Describe the principles of managing practical training</li> </ul>

<p><b>FOD 131--continued</b></p>	<p>evolutions.</p> <ul style="list-style-type: none"> <li>• Demonstrate knowledge and use of various types of available instructional media.</li> <li>• Describe the importance and process of testing and evaluating student performance.</li> </ul>
<p><b>FOD 135--Elective Fire and Life Safety Educator:</b> This course is to assist in public education program development and delivery. Includes fire service organization, injury prevention, fire prevention, learner characteristics, program evaluation, media resources and program administration.</p>	<p>During this course, students will demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Describe the role of fire and life safety education within the fire service organization's mission, scope of operation, and organizational structure.</li> <li>• Identify the five most common causes of unintentional injury and identify strategies for their prevention.</li> <li>• Explain how fire spreads, the methods used to protect occupants from the hazards associated with fire.</li> <li>• Present information appropriate to the audience while maintaining a positive learning environment and incorporating the use of audiovisual equipment.</li> <li>• Identify the various means of distributing informational materials and explain the associated legal requirements.</li> <li>• Use appropriate instructional techniques to effectively cover all of the lesson plan's components.</li> <li>• Prepare a press release for media distribution.</li> <li>• Document delivery of a fire and life safety educational segment.</li> <li>• Complete a written report of an educational program.</li> <li>• Develop a work schedule.</li> </ul>
<p><b>FOD 137--Required Fire Protection Systems:</b> This course involves the study of fire detection and suppression including the following systems: fire alarms, smoke management, water supply, water-based fire suppression, special hazard fire extinguishing and portable fire extinguishers.</p>	<p>During this course, students will demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Explain the benefits of fire protection systems in various types of structures.</li> <li>• Describe the basic elements of a public water supply system including sources, distribution networks, piping, and hydrants.</li> <li>• Explain why water is a commonly used extinguishing agent.</li> <li>• Identify the different types and components of sprinkler, standpipe, and foam systems.</li> <li>• Review residential and commercial sprinkler legislation.</li> <li>• Identify the different types of non-water based fire suppression systems.</li> <li>• Explain the basic components of a fire alarm system.</li> <li>• Identify the different types of detectors and explain how</li> </ul>

<p><b>FOD 137--continued</b></p>	<p>they detect fire.</p> <ul style="list-style-type: none"> <li>● Describe the hazards of smoke and list the four factors that can influence smoke movement in a building.</li> <li>● Discuss the appropriate application of fire protection systems.</li> <li>● Explain the operation and appropriate application for the different types of portable fire protection systems.</li> </ul>
<p><b>FOD 140--Required Incident Safety Officer:</b> This course outlines the role of the Incident Safety Officer. The content includes the responsibilities, hazard evaluation, safe incident operations, incident analysis, and accident investigation.</p>	<p>During this course, students will demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>● Describe the historical origin, trends, and need for an Incident Safety Officer including duties and responsibilities.</li> <li>● Describe the concepts associated with managing emergency scene safety.</li> <li>● Identify the key elements to designing an effective Incident Safety Officer system.</li> <li>● Identify and describe the factors that commonly affect firefighter safety.</li> <li>● Describe the principle elements of the Incident Safety Officer's action model.</li> <li>● Describe the process for evaluating the resources of time, personnel, equipment and effective risk management.</li> <li>● Describe the process of evaluating incident operations in the context of managing hazards for the purpose of effective scene safety.</li> <li>● Describe the Incident Safety Officer's process of critical thinking, decision-making, and taking action.</li> <li>● Document the process of accident investigation and post-incident analysis.</li> </ul>
<p><b>FOD 152--Required Building Construction:</b> This course involves an overview of the classification of building construction; building types; fire and life safety devices; building fire resistive assemblies and appliances; various types and causes of structure collapses.</p>	<p>During this course, students will demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>● Identify and describe the five main building classifications including the forces and loads that affect building construction and materials.</li> <li>● Define basic building construction terminology.</li> <li>● Identify and describe fire resistive assemblies and components.</li> <li>● Demonstrate an understanding of basic concepts of fire protection.</li> <li>● Recognize and describe the various floor, roof and wall designs and the components of lightweight construction.</li> <li>● Identify and analyze how structural systems react when exposed to fire including building collapse.</li> </ul>

<b>FOD 152-continued</b>	<ul style="list-style-type: none"> <li>Recognize and describe characteristics of specific occupancies</li> </ul>
<b>FOD 155 – Elective Special Topics:</b> Elective credit(s) may be earned for appropriate, college-level fire service training.  <b>NOTE</b> Arrangements must be made with Program Coordinator <a href="mailto:plemay@edcc.edu">plemay@edcc.edu</a> 425 640-1371.	During this course, students will demonstrate the ability to: <ul style="list-style-type: none"> <li>Meet the learning outcomes specified by the specific training and document that those objectives have been met.</li> </ul>
<b>FOD 160--Required Tactics:</b> This course covers the planning, implementation and evaluation of basic fire tactics at the responding officer level. Includes pre-fire planning, evaluation, fire simulation and fire behavior, organizational structures, strategies, resource development/proper allocation of resources.  Prereq: FOD 152 or Instructor Permission	During this course, students will demonstrate the ability to: <ul style="list-style-type: none"> <li>Describe the components of the fire suppression organization in the authority having jurisdiction including the authority and responsibility of each component.</li> <li>Define the lines of authority within the department.</li> <li>Describe the fire hazard characteristics of various classes of materials including classes A, B, C and D.</li> <li>Identify the leading causes of fire and fire spread as established by NFPA, local and state statistics where available.</li> </ul>
<b>FOD 190--Required Code and Inspection Procedures:</b> This course provides fundamental knowledge relating to the field of fire prevention and involves the study of the International Fire Code as well as other related standards. Includes the	During this course, students will demonstrate the ability to: <ul style="list-style-type: none"> <li>Define the national fire problem and role of fire prevention.</li> <li>Identify and describe fire prevention organizations and associations.</li> <li>Define and apply provisions of laws, rules, regulations, and codes and identify those relevant to fire prevention and building construction of the authority having jurisdiction.</li> </ul>

<p><b>FOD 190-continued</b></p> <p>history and philosophy of a fire prevention; organization of a fire prevention bureau/investigation; application of fire codes, exit way maintenance, fire protection systems, flammable liquids and gases, occupancy considerations and general precautions against fire causes.</p>	<ul style="list-style-type: none"> <li>● Define the functions of a department of fire prevention.</li> <li>● Describe inspection practices and procedures.</li> <li>● Identify and describe the standards as well as listing opportunities in career development for professional qualifications for Fire Marshall, Plans Examiner, Fire Inspector, Fire and Live Safety Educator, and Fire Investigator.</li> <li>● Describe the history and philosophy of fire prevention.</li> <li>● Explain the function and procedures of a model occupancy and incident reporting database.</li> <li>● Determine what is required to provide the minimum degree of safety.</li> <li>● Determine adequate exit facilities.</li> <li>● Describe when automatic fire extinguishing systems and fire extinguishers must be installed and maintained.</li> <li>● Determine where fire alarm systems are required.</li> <li>● Explain the code as it applies to flammable and combustible liquids, compressed gases, hotwork and other hazardous storage and processes.</li> <li>● Demonstrate knowledge of the legal aspects of code enforcement by citing and explaining examples.</li> <li>● Describe the role fire prevention plays in society.</li> </ul>
<p><b>FOD 201--Required Fire Officer II:</b></p> <p>This course is an overview of work with government agencies; record management systems; budgeting; exposure reports; conducting fire inspections/identifying hazards; strategic planning/supervision of Multi-unit Response Operations applicable to pre-incident plan/resource deployment/emergency.</p> <p>Prereq: FOD 101</p>	<p>During this course, students will demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>● Identify and describe the relationship between government agencies and the fire service.</li> <li>● Identify and describe the application of effective report writing skills to fire service communications.</li> <li>● Identify and describe the fire officer's role in human resource management, maximizing personnel performance and affirmative action issues.</li> <li>● Identify and describe the fire officer's responsibility in the budgetary process.</li> <li>● Identify and describe the principles of supervisor/subordinate interaction while conducting a performance appraisal.</li> <li>● Demonstrate the knowledge of technology systems commonly used for information management.</li> <li>● Identify and describe the supervisory approach to the Center for Disease Control (CDC) exposure reporting process.</li> <li>● Identify and describe the fire officer's role in fire &amp; life safety public education.</li> </ul>

<p><b>FOD 201--continued</b></p>	<ul style="list-style-type: none"> <li>• Identify and describe the fire officer’s role in conducting fire inspections as well as the ability to identify and document hazards and address violations.</li> <li>• Identify and describe the principles of organizational communications and engaging public support.</li> <li>• Identify and describe the strategic planning process for supervision multi-unit response operations.</li> <li>• Identify and describe the strategic planning process as it applies to pre-incident planning and resource deployment during emergency operations.</li> <li>• Produce a checklist of issues and opportunities that present themselves on a developing incident or natural disaster.</li> <li>• Apply the principles of the ICS-201 process and how this written document can help a team stay ahead of issues.</li> <li>• Identify career development opportunities and strategies for success.</li> <li>• Apply the principles of strategy and tactics during a series of simulated incidents.</li> </ul>
<p><b>FOD 210--Required Incident Management Multi-Company Operations:</b>  This course is designed to help the company officer manage alarms with multiple responding units. The content includes expanding the incident management system, scene safety, resource allocation, pre-incident planning, communications, accountability, post-incident analysis, and multiple scenarios, incident command and tactical considerations for multi-company operations.</p> <p>Prereq: FOD 101 or Instructor Permission</p>	<p>During this course, students will demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify the Incident Management System’s components and operating principles.</li> <li>• Describe the incident management procedures associated with incident scene safety including pre-incident planning.</li> <li>• Describe the procedures for maintaining personnel accountability.</li> <li>• Describe the procedures for managing resource allocation during expanded incidents.</li> <li>• Describe the importance and critical nature of incident management decision-making.</li> <li>• Describe the procedure for establishing and operating a command post for managing expanded incident operation.</li> <li>• Describe the procedures for managing effective emergency scene communications.</li> <li>• Describe the procedures for conducting a post-incident analysis.</li> <li>• Apply the principles of managing expanded operations during a series of scenarios.</li> </ul>

<p><b>FOD 210-continued</b></p>	<p><b>NOTE: Students you have successfully completed National Fire Academy courses:</b></p> <p>R297 Command and Control Decision Making at Multiple Alarm Incidents  <b>or</b>  R306 Executive Analysis of Fire Service Operations in Emergency Management  <b>or</b>  R308 Command and control of Fire Department Operations at Natural and Man-Made Disasters  <b>or</b>  R314 Command and Control of fire Department Operations at Target Hazards</p> <p><b>are encouraged to pursue a course challenge.</b></p>
<p><b>FOD 215--Required Hazard Materials Incident Management:</b>  The course prepares the company officer with the information needed to manage incidents involving the release of hazardous chemicals. The content includes standards, laws, regulations, planning, personal protective equipment, resource allocation, identification techniques, strategic planning, tactical objectives, action planning, decontamination procedures, and termination issues.</p>	<p>During this course, students will demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Describe the components of the Hazardous Materials Incident Management System.</li> <li>• Identify the seven types of harm created by exposure to hazardous materials and their effects on the human body.</li> <li>• Describe five external and/or political issues which may influence the management of a hazmat incident.</li> <li>• Define Site Management and Control.</li> <li>• Describe the principles of recognition, identification, classification and verification as they apply to a hazardous materials emergency.</li> <li>• Describe the concept of hazard assessment and risk evaluation.</li> <li>• Identify the process and factors to be considered in selecting the proper level of protective e equipment at the hazmat incident.</li> <li>• Describe the types of information required to safely and effectively manage a hazmat incident.</li> <li>• Describe the process of size-up as a method of determining the strategic and tactical options available to produce a favorable outcome of a hazardous materials incident.</li> <li>• Identify the advantages and limitations of decontamination.</li> </ul>



<p><b>FOD 220--Required Fire Investigation:</b> The course covers the issues involved with determining the cause of a fire. The content includes procedures, laws, common fire causes, incendiary methods, detection, evidence preservation, follow-up procedures, interviewing techniques, records, reports, and use of photography.</p>	<p>During this course, students will demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify the thirteen basic steps as a guideline for a fire investigator to follow from start to finish on a fire investigation in the field including interpretations of fire scenes (structure, vehicle, wildland).</li> <li>• Identify the legal and scientific requirements of the fire scene including the basic requirements involving Rule of Law warrant searches, photography of the fire scene, and collection of evidence.</li> <li>• Describe the proper methods used to interview witnesses and suspects including the problem(s) associated with witness perception.</li> <li>• Demonstrate the procedures and proper actions when giving testimony in a court of law including courtroom demeanor.</li> <li>• Describe the provisions to RCW Title 9A.48</li> <li>• Record information which will enable them to complete fire incident information needed to formulate the final written report and all necessary documentation.</li> <li>• Identify a fire investigator's field notebook and describe how it is used.</li> <li>• Demonstrate the use of tools and methods demonstrated in the classroom to complete a simple field sketch of the fire scene.</li> <li>• Identify and describe the chemistry of combustion with its properties and the behavior of fire.</li> <li>• Identify the seven motives of the fire setter and the implications for the fire service.</li> </ul>
<p><b>FOD 231--Elective Fire Service Instructor II:</b> This is an advanced fire service instructor course. The content includes developing planning models, needs analysis, lesson plan development, performance testing, supervising training programs, and critiques.</p> <p>Prereq: FOD 131</p>	<p>During this course, students will demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Examine and compare planning models and process for developing instructional programs.</li> <li>• Analyze a group's needs and develop a program based on the needs analysis.</li> <li>• Develop complete course objectives and a task analysis.</li> <li>• Discuss the purpose, components and possible formats of a lesson plan and use them to develop a lesson plan.</li> <li>• Modify and develop a lesson plan including appropriate support and application activities.</li> <li>• Deliver a presentation from a prepared lesson plan and participate in a critique.</li> <li>• Create examples of each type of written and skills</li> </ul>

<b>FOD 231-continued</b>	performance test and evaluate their effectiveness in measuring lesson objectives. <ul style="list-style-type: none"><li>• Describe the training manager's tasks and responsibilities for managing and supervising training programs.</li></ul>
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