



DEPARTMENT OF FINANCIAL SERVICES

Division of State Fire Marshal
Bureau of Fire Standards & Training

FL Specific Training for DOD Firefighter Equivalency

Title: Master Syllabus

Date: October 20, 2016

Course Title	FL Specific Training for DOD Firefighter Equivalency
Course Number	RN9964
Prerequisite(s)	Completion of Firefighter Standards meeting NFPA 1001 and approval of equivalency; completion of Structural Collapse Awareness on line; FEMA I-100 and I-700; and Courage to Be Safe.
Revision Date	October 20, 2016
College Credit Recommendation	There is no college recommendation for this course.
Continuing Education Units (CEU's)	This course does not count for continuing education credits.
Class Days/Time	Varies by provider.
Instructor Supervisor	Name: Barbara Klingensmith Email: Barbara.Klingensmith@myfloridacfo.com
Program Specialist Contact Name	Name: Michael Blum Email: Michael.Blum@myfloridacfo.com
Class Location	Varies
Course Description	<p>This course is 32 hours in length with an additional 8 hours available for the practical field work for Forestry's S-130, S-190, L-180 (the coursework can be completed online). This course will meet the requirements of 69A-37.055, Florida specific requirements for DOD applicants wishing to challenge the state exam.</p> <p>The course is a combination of lecture and practical components. Students must complete this class prior to being approved to take the equivalency exams for Florida firefighter certification. Topics include: firefighter safety and survival; TIC/air monitoring; PPV; FL Statewide Emergency Response Plan; new challenges to firefighting involving construction, fire loads, hurricane glass, and FL truss markings; firefighter self rescue, RIT; search and rescue; MAYDAY; forcible entry; company evolutions; and forestry skills.</p>
Student Learning Outcomes	<p>After the successful completion of this course, the student will be able to do the following:</p> <ol style="list-style-type: none"> 1. Identify the 15 survival rescue techniques. 2. List the proactive tasks for the rapid intervention team. 3. Describe the use of air monitors and thermal imaging cameras. 4. Explain how to perform tactical ventilation.

	<p>5. Describe the intent of the Florida Statewide Emergency Response Plan.</p> <p>6. Discuss FL specific statutes and rules regarding Florida firefighter certification and operation.</p>
Required Textbook	N/A
Required Materials	Thermal Imaging Cameras, props for rescues (Denver Drill, ladder bail out, etc.), SCBA, personal protective clothing, radios, ropes, securing system for ladder bail outs, air monitors, positive pressure fans, burn room and fuels, apparatus, hose, appliances, tools, forestry tools, ropes, forcible entry props, low profile wall, and all equipment used to perform the JPRs of NFPA 1001.
Method of Instruction	Classroom and practical exercises.
Grading	Passing 70%
Certification(s)	Firefighter II
Attendance Policy	You are required to attend all sessions of the course and complete all pre-course assignments. Failure to appear in class for a scheduled activity will be considered an absence. Students are allowed to miss 10% of the class and still receive credit. There are no makeup sessions.
Academic Integrity	Academic integrity is crucial to the learning community and indicates respect for the college, the instructor, the course, your classmates and yourself. Any violation of this trust, including but not limited to cheating, plagiarism, collusion, or using or having any content of an un-administered test, will result in immediate dismissal from the course. Under Florida Statute 633, any student dismissed for academic dishonesty can be refused acceptance for any course administered by FSFC.
Students with Disabilities	Any student who has a permanent or temporary disability that may require a reasonable accommodation to participate in the course must present documentation of the disability and requested accommodation no later than the beginning of the course.
Emergency Evacuation Policy	<p>Occupants of buildings on the Florida State Fire College campus are required to evacuate and assemble outside when a fire alarm is activated or an announcement is made. Please be aware of the following policies regarding evacuation.</p> <ul style="list-style-type: none"> • Familiarize yourself with all exit doors of the classroom and the building. • Remember that the nearest exit door may not be the one you used when you entered the building. • If you require assistance to evacuate, inform the instructor on the first day of class. • In the event of an evacuation, follow the guidance of the instructor. • Do not re-enter a building unless you are given instructions by Florida State Fire College personnel to do so.
Requesting	Any request for emergency care should be initiated by calling “911” from

<i>Emergency Care</i>	any phone on campus of the Florida State Fire College. Phones are located in each classroom. Additionally, in the event of any emergency, immediately contact an instructor or staff member.
<i>Critical Event Procedures</i>	<p>Severe Weather – there is a lightning detection system on campus which has an audible 15 second blast of an air horn. If you are outside, please follow your instructor or move to the closest permanent building. Once the threat is over, there will be three 5 second blasts of the signal.</p> <p>Security – During the daytime, security is handled by full time faculty and staff. There are security guards on duty in the evenings and weekends. Please comply with the requests made of security officers. Failure to do so can result in removal from campus.</p> <p>Student Badges – You will be issued a badge to be worn anytime you are on campus.</p>
<i>Enabling Objectives</i>	<p>Given information from discussion and reading materials, the student will perform the following objectives to a written test accuracy of at least 70% and meet the applicable job performance requirements listed under practical applications.</p> <p><u>Firefighter and Self Rescue</u></p> <ol style="list-style-type: none"> 1. Define firefighter survival 2. Explain the importance of packing. 3. Identify the A, B, C, and D of packing. 4. Describe each step of A, B, C, D. 5. Describe different dragging techniques. 6. Explain the history of the Denver Drill. 7. Describe how to perform the Denver Drill. 8. Describe the use of a pre-rigged High Anchor. 9. Describe how to use a High Anchor with no pulleys. 10. Explain when a High Anchor is used. 11. Describe the two methods to remove a firefighter down by a window. 12. Describe the Pregnant Lady Carry. 13. Describe the Back Flip method. 14. Describe methods to move freighters up stairs. 15. Explain the history of the Nancy Drill. 16. Describe the 4 ways to use the Nance Drill. 17. Describe the steps to perform is you become entangled. 18. Define safe haven. 19. Describe how to breach an interior wall. 20. Explain when you will need to use the low profile technique. 21. Describe the difference between a partial and complete low profile. 22. Identify how to read couplings to assist exit. 23. Describe the Window Hang technique when no other means of egress is present. 24. Describe when to use a head first ladder slide.

25. Explain the two techniques of a head first ladder slide.
26. Explain when to use a rope slide.
27. Describe how to perform the rope slide.
28. Identify the importance of training, having SOPs, and having a plan.

RIT Team

1. Identify the importance of having a plan.
2. Identify how proactive tasks can prevent death.
3. Identify the proactive tasks that the RIT team can do including:
 - Obtain RIT Pack
 - Obtain tools
 - Complete a 360 of the structure
 - Unlock exits
 - Raising ladders for rescue
 - Window removal for egress
 - Removal of burglar bars
 - Illumination

Air Monitoring and Thermal Imaging Cameras (TIC)

1. Identify the purpose of air monitoring.
2. discuss the many different toxic environments that exist in fires today.
3. Identify the limitations and concerns of air monitoring equipment.
4. List how TICs can be used in various situations.
5. Identify the limitations of TICVs.
6. Explain how TICs help during overhaul.

Ventilation

1. Define tactical ventilation.
2. Identify the factors that make tactical ventilation successful.
3. Describe the reasons for tactical ventilation.
4. Explain the outcomes of improperly applied ventilation.
5. List advantages and disadvantages of ventilation equipment.

FL Statewide Emergency Response Plan

1. Identify the FL Statute.
2. Recall the number of regional response areas.
3. Differentiate between a Type I and Type II pumper.
4. Identify the Primary Agency.
5. Identify support agencies.

New Challenges

1. Explain the importance of performing a Risk vs. Benefit analysis.
2. Explain prevention-based survival.
3. Describe the differences in fire behavior in older vs. new building construction.
4. Explain BTU increase in today's fires.
5. Define heat of combustion.
6. Explain factors contributing to rapid fire development.
7. Explain the process of flashover.
8. Identify why knowledge of building construction is important to

	<p>firefighters.</p> <p>9. Explain how new technology in building construction impacts firefighting to include:</p> <ul style="list-style-type: none"> Energy Efficient Homes Styrofoam’s and other alternate building materials Green Homes Hurricane Glass <p><u>FL Specific Statutes, Laws, Operations</u></p> <ol style="list-style-type: none"> 1. Describe the FL Truss Marking system. 2. Describe Florida’s State Uniform Traffic Control (FL Statutes 316.126, 316.2398) 3. Explain firefighter certification and recertification requirements (Chapter 633.406, .408, .412, .414, 416, 424) 4. Describe the impact of FL Firefighter OSHA on firefighters and their employers. (FL Statute 633, Part V) 5. Describe the firefighters responsibility for notification to the State Fire Marshal during an initial investigation of a fire.(Chapter 69A-61,001) 6. Discuss firefighter employment standards (Chapter 69A-37.001, .002, .003, .004) 7. Discuss Chapter 69A-73.002, .0527, .054, and .062.
<p><i>Practical Applications</i></p>	<p><u>The following practical skills must be demonstrated by the student.</u></p> <ol style="list-style-type: none"> 1. Demonstrate packing and dragging techniques. 2. Demonstrate the Denver Drill. 3. Demonstrate the use of a rigged and no pulley high anchor. 4. Remove a victim from a window. 5. Demonstrate moving a firefighter up and down stairs. 6. Perform the 4 techniques to rescue a victim from a sub floor using the Nancy Drill. 7. Perform firefighter survival skills including: <ul style="list-style-type: none"> Entanglement Interior Wall Breaching Low Profile Reading Couplings Window Hang Head First Ladder Slide Rope Slide 8. Perform the tasks of the RIT team. 9. Perform air monitoring. 10. Use Thermal Imaging Cameras to find victims, hidden fires, and heat Signatures.