



**DEPARTMENT OF FINANCIAL SERVICES**

Division of State Fire Marshal  
Bureau of Fire Standards and Training

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## **Title: Syllabus for Firefighting Tactics & Strategies II**

**Revision: May 2022**

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### *Section I - Course Information*

**Course Title:** Firefighting Tactics & Strategies II

**Course Number(s):** BFST/FFP/ATPC2811

**Class Days/Time:** If being taught at the Florida State Fire College Campus 11655 NW Gainesville Road, Ocala, FL 34482 Bldg. C – Classrooms - Monday-Friday 8 a.m.- 5 p.m. 5 additional hours out of class work may be required.

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### *Section II - Points of Contact*

**Training Supervisor:**

Name: Robert Coyne  
Email: [FloridaCollegeTraining@myfloridacfo.com](mailto:FloridaCollegeTraining@myfloridacfo.com)  
Work Phone: 352-369-2838  
Bldg. C Room 158

**Program Manager/Instructor:**

Name:  
Email:  
Work Phone:  
Bldg. C Room

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### *Section III – Course Description*

This curriculum covers multiple company operations, logistics, strategy, use of mutual aid services and operations at complex buildings. The course is intended for officers who may be in command of fires and other emergencies involving close coordination and maximum use of large amounts of personnel and equipment. Risk management planning and critical thinking skills are stressed

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### *Section IV- Course Material, Grading, and Attendance*

**Recommended Book:** Used by FSFC – Strategic & Tactical Considerations on the Fireground Fourth Edition by James Smith, Brady. ISBN # 978-0-13-25881-7. Course book can be purchased at the BFST Bookstore

**Prerequisite(s):** FFP 1810 Firefighting Tactics & Strategies I

**Continuing Educations Units (CEU's):** Instructor I, II, III

**Pre-Course Assignment:**

**Required Materials:** Pen, Paper, USB portable storage drive (thumb drive)

**Grading:** Students must achieve a minimum cumulative score of 70% to pass this course. Course grades are determined from assignments and activities including, homework, projects, quizzes, exams, and presentations. The instructor also has the discretion to award **(but not deduct)** points based on course participation.

**Attendance:** Students are required to attend all sessions of the course.

- Excused absences - Students are permitted excused absences totaling no more than 10% of class (4.5 hours maximum); the instructor shall be the sole determining authority in the determination of an excused absence and may assign supplemental work to make up for missed class time.
- Unexcused absences - The instructor shall be the sole determining authority in the determination of an unexcused absence (i.e. “no call, no show”). The instructor has no obligation to offer the student an opportunity to make up assignments, including quizzes and/or exams, but may do so at his/her discretion.

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### ***Section VI – Job Performance Requirements***

Given information from discussion and reading materials, the student will satisfy the Job Performance Requirements (JPR) of the applicable National Fire Protection Association (NFPA) standards, any applicable skill sheets, and the applicable Fire and Life Safety Initiatives of the National Fallen Firefighters Foundation *Everyone Goes Home* program.

#### ***NFPA 1021, Standard for Fire Officers Professional Qualifications 2020 Edition***

**5.1 General.** For qualification at Level II, the Fire Officer I shall meet the job performance requirements defined in Sections 5.2 through 5.7 of this standard.

**5.6 Emergency Service Delivery.** This duty involves supervising multi-unit emergency operations, conducting pre-incident planning, and deploying assigned resources, according to the following job requirements.

**5.6.1** Produce operational plans, given an emergency incident requiring multi-unit operations; the current editions of NFPA 1600, NFPA 1700, NFPA 1710, and NFPA 1720; and AHJ approved safety procedures, so that required resources and their assignments are obtained and plans are carried out in compliance with NFPA 1600, NFPA 1700, NFPA 1710, and NFPA 1720 and approved safety procedures resulting in the

mitigation of the incident.

(A) **Requisite Knowledge.** Standard operating procedures; national, state/provincial, and local information resources available for the mitigation of emergency incidents; an incident management system; and a personnel accountability system.

(B) **Requisite Skills.** The ability to implement an incident management system, to communicate, to supervise and account for assigned personnel under emergency conditions, and to serve in command staff and unit supervision positions within the Incident Management System.

**5.6.2\*** Develop and conduct a post-incident analysis, given multi-unit incident and post-incident analysis policies, procedures, and forms, so that all required critical elements are identified and communicated and the approved forms are completed and processed.

(A)\* **Requisite Knowledge.** Elements of a fire- or rescue related post-incident analysis, basic building construction, basic fire protection systems and features, basic water supply, basic fuel loading, fire growth and development, and departmental procedures relating to dispatch response, strategy tactics and operations, sources of any emergency operations controlling authority, including EMS protocols, if applicable, and customer service.

(B) **Requisite Skills.** The ability to write reports, to communicate, and to evaluate skills.

**5.6.3** Prepare a written report, given incident reporting data from the jurisdiction, so that the major causes for service demands are identified for various planning areas within the service area of the organization.

(A) **Requisite Knowledge.** Analyzing data.

(B) **Requisite Skills.** The ability to write clearly and to interpret response data correctly to identify the reasons for service demands.

*Section VII – Plan of Instruction*

Date	Chapters	Activities
DAY 1	<b>7 – Special Situations and Occupancies</b> Basement & cellar fires Garden Apts.                      Row Houses Town Houses                      Renovated Buildings Hotels & Motels                      Vacant Buildings Wildland Urban Interface	<ul style="list-style-type: none"> <li>• Roster</li> <li>• Paperwork</li> <li>• Introductions</li> <li>• Assignment 1 due on Day 3</li> <li>• Assignment 3 due on Day 5</li> <li>• Case Study Review</li> </ul>
DAY 2	<b>8 – Health Care and High-Risk Populations</b> Hospitals                              Nursing Homes Assisted Living Facilities Mass Casualty Incidents              Houses of Worship Penal Institutions                      School Violence Public Assembly Buildings              School Fires	<ul style="list-style-type: none"> <li>• Attendance</li> <li>• Case Study Review</li> <li>• Assignment 2 due on Day 4</li> <li>• Work on Assignment(s) /Presentations (time permitting)</li> </ul>
DAY 3	<b>9 – Commercial and Industrial</b> Strip Mall                              Lumberyard Enclosed Shopping Malls Commercial Buildings and Warehouses High-Rise Buildings	<ul style="list-style-type: none"> <li>• Attendance</li> <li>• Assignment 1 presentation</li> <li>• Case Study Review</li> <li>• Work on Assignment(s) /Presentations (time permitting)</li> </ul>
DAY 4	<b>10 – Technical Operations</b> Hazardous Materials Incidents Initial Responders                      Dirty Bombs Tank Farm/Refinery Fires              Terrorism Incidents Clandestine Labs                      Natural Disasters	<ul style="list-style-type: none"> <li>• Attendance</li> <li>• Assignment 2 presentation</li> <li>• Case Study Review</li> <li>• Work on Assignment(s) /Presentations (time permitting)</li> </ul>
DAY 5	<b>11 – After The Incident</b> Incident Critique / Post Incident Analysis Critical Incident Stress	<ul style="list-style-type: none"> <li>• Attendance</li> <li>• Assignment 3 /Presentations</li> <li>• Final Exam</li> </ul>

**Section VIII – Final Presentation and Grading Rubric**

**Description of Assignment:**

The final project for this class involves a group presentation in PowerPoint format. All members are expected to contribute equally. The presentation should take no longer than 5-10 minutes and groups must submit a written summary of their work to accompany their presentation.

Using the Tactical Worksheet below, each student will develop a 2<sup>nd</sup> alarm fire. They describe the Tactical Worksheet on PowerPoint. The student must be able to describe and defend any questions from the instructor or students.

**Tactical Worksheet**

Incident location \_\_\_\_\_ type of incident \_\_\_\_\_  
Time of day \_\_\_\_\_ time of year \_\_\_\_\_ temp \_\_\_\_\_ weather \_\_\_\_\_ windspeed \_\_\_\_\_  
Type of structure \_\_\_\_\_ size \_\_\_\_\_ occupancy \_\_\_\_\_  
Construction type \_\_\_\_\_ age \_\_\_\_\_ access \_\_\_\_\_  
Fire load \_\_\_\_\_ live load \_\_\_\_\_ dead load \_\_\_\_\_ utilities \_\_\_\_\_  
Gas \_\_\_\_\_ hazmat on sight \_\_\_\_\_  
Exposures \_\_\_\_\_ A \_\_\_\_\_ B \_\_\_\_\_ C \_\_\_\_\_ D \_\_\_\_\_  
Value \$ \_\_\_\_\_ protected/ unprotected construction/sprinklered yes \_\_\_\_\_ no \_\_\_\_\_  
Life hazard \_\_\_\_\_ # \_\_\_\_\_ possible location \_\_\_\_\_  
Pt access \_\_\_\_\_ pt class \_\_\_\_\_ time exposed \_\_\_\_\_  
Water supply  
Primary/Location \_\_\_\_\_ type \_\_\_\_\_ gpm flow \_\_\_\_\_ access \_\_\_\_\_  
Secondary \_\_\_\_\_ type \_\_\_\_\_ gpm flow \_\_\_\_\_ access \_\_\_\_\_

**Resources** eng co \_\_\_\_\_ #of available eng co \_\_\_\_\_ rescue co \_\_\_\_\_ ladders \_\_\_\_\_

Eng \_\_\_\_\_ eng \_\_\_\_\_ eng \_\_\_\_\_ eng \_\_\_\_\_ Truck \_\_\_\_\_ Truck \_\_\_\_\_ special \_\_\_\_\_

**Establish command** yes/ no name incident \_\_\_\_\_

**Give on scene radio report** \_\_\_\_\_

**What do I have?** \_\_\_\_\_ **who's in command?** \_\_\_\_\_

**what do I need?** \_\_\_\_\_ **What am I doing ?** \_\_\_\_\_

**water supply established** yes / no by who eng co # \_\_\_\_\_

**Mode of attack-** rapid \_\_\_\_\_ defensive \_\_\_\_\_ rescue \_\_\_\_\_ attack \_\_\_\_\_

**Scene evaluation** \_\_\_\_\_

**Use of SOGs** \_\_\_\_\_

Fire involvement % on scene \_\_\_\_\_ 5 min \_\_\_\_\_ 10 min \_\_\_\_\_ 15 min \_\_\_\_\_

No decrease of fire involvement in 10 min defensive mode \_\_\_\_\_

Team 1 \_\_\_\_\_ eng# Team 2 \_\_\_\_\_ eng # RIT eng # \_\_\_\_\_ rescue \_\_\_\_\_

**Location of attack teams side**

A \_\_\_\_\_ B \_\_\_\_\_ C \_\_\_\_\_ D \_\_\_\_\_ RIT \_\_\_\_\_

**Scene eval**

Team check open communications calm orders orders understood

**Calls to make**+++++

Fpl Gas co, inspector district on call BC Transport units medical, Water Dept for additional water pressure

Mutual aide \_\_\_\_\_

**Bench marks power secure**\_\_\_\_\_

Attack fire located rescue preformed primary search secondary search

Water applied water supply established 3 min check 5 min keep teams together

**Command**

What do I have what am I doing What Do I Need Who's In Command

**Bench Marks**

Identify Hazards				Eng 1
Rescue				Eng 2
Evacuation				Eng 3
Ventilation		C		Eng 4
Attack		_____		
Search –All –Clear				
Supply established				T-1
Utilities Secured				T-2
Water Applied		B	D	
Forward Progress stopped				C-2
Fire Out				D-92
Salvage		_____		
Overhaul		A		
Loss Stopped				_____ Staging

**PAR”S Q -5 Min**

Water Suply: \_\_\_\_\_ Secondary \_\_\_\_\_

Call Outs: FPL, Police, Bat Chief, Transport Inspector, Gas Company, Rehab, PIO, Loader

Assign Divisions \_\_\_\_\_ Assign Operations \_\_\_\_\_

Attack Fire attack teams? Enough to meet the need?  
Rescue Vent Enter Search? Traditional search

Ventilation  
 Evacuation  
 Salvage  
 Staging  
 Coverage

Roof vent? Horizontal? PPV?  
 Are they mobile? or do they need assistance?  
 Save what we can, when we can, & how we can  
 Extra Units available? How long until on scene  
 Is the City Covered if Other calls happen?

### Tactics and Strategy II

	20	15	10	5	0	Score
PowerPoint Presentation	PowerPoint is well designed and presented properly. Covers all information. Work in team	PowerPoint is well described however team does not cover all information	PowerPoint is moderately described, and no members of the team reads from the screen or document in hand	PowerPoint is moderately described however team members read from the screen or document in hand	PowerPoint is barely described no matter if team members read from the screen or document in hand or not.	
Tactical Worksheet	Tactical Worksheet is easy to understand, and all information is covered. Proper format used	Tactical Worksheet well designed but missing some information on subject	Tactical Worksheet short and missing information but proper format	Tactical Worksheet to short, missing information and wrong format but can understand	Lesson Plan to short, missing information, wrong format and not understood	
Bench Marks	All bench marks were covered	Most bench marks were covered	Some bench marks were missing but important covered	Few bench marks were covered	No bench marks were covered	
Support	2 <sup>nd</sup> alarm requested and all crews given assignments	2 <sup>nd</sup> alarm arrived assignment given	2 <sup>nd</sup> alarm crews placed in staging and never use	No 2 <sup>nd</sup> alarm requested	1 <sup>st</sup> dispatched units not used	
					Total Score	