



DEPARTMENT OF FINANCIAL SERVICES

Division of State Fire Marshal
Bureau of Fire Standards and Training

Title: Syllabus for Firefighting Tactics & Strategies II

Revision: May 2020

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.

Section II - Points of Contact

Training Supervisor:

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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

Section IV- Course Material, Grading, and Attendance

Recommended Book: *Strategic & Tactical Considerations on the Fireground 4th Edition James P. Smith* ISBN 13: 978-0134442648 Publisher Brady Fire Series

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.

Section V - Instructor Information

As per Chapter Florida Administrative Codes (Rule), *Programs of Study and Vocational Courses*, instructors must meet the following qualifications to be authorized to teach this course:

Rule 69A-37.059(2)(b)(3) Instructor Qualifications:

- a. Instructors with requisite faculty credentials for the academic institution that is registered in the Florida Department of Education Statewide Course Numbering System to teach the course; or
- b. Instructors with requisite faculty credentials as determined by the United States Fire Administration – National Fire Academy; or
- c. Instructors with requisite faculty credentials as determined by the respective regionally accredited or nationally accredited university or college; or
- d. Instructors who hold an active Single Course Exemption Certification issued by the Division as outlined in subsection 69A-37.059(4), F.A.C.; or
- e. Instructors who hold an active Fire Officer II Certification issued by the Division after November 18, 2013 and an active Instructor II Certification issued by the Division.
- f. Instructors who hold an active Firesafety Inspector I, Firesafety Inspector II, or Fire Code Administrator Certification issued by the Division and an active Instructor II Certification issued by the Division may teach the courses “Fire Preventive Practices and Private Fire Protection I.”

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 2014 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.

5.1.1* General Prerequisite Knowledge. The organization of local government; enabling and regulatory legislation and the law-making process at the local, state/provincial, and federal levels; and the functions of other bureaus, divisions, agencies, and organizations and their roles and responsibilities that relate to the fire service.

5.1.2 General Prerequisite Skills. Intergovernmental and interagency cooperation.

5.2 Human Resource Management. This duty involves evaluating member performance, according to the following job performance requirements.

5.2.1 Initiate actions to maximize member performance and/or to correct unacceptable performance, given human resource policies and procedures, so that member and/or unit performance improves or the issue is referred to the next level of supervision.

(A) Requisite Knowledge. Human resource policies and procedures, problem identification, organizational behavior, group dynamics, leadership styles, types of power, and interpersonal dynamics.

(B) Requisite Skills. The ability to communicate orally and in writing, to solve problems, to increase teamwork, and to counsel members.

5.2.2 Evaluate the job performance of assigned members, given personnel records and evaluation forms, so that each member's performance is evaluated accurately and reported according to human resource policies and procedures.

(A) Requisite Knowledge. Human resource policies and procedures, job descriptions, objectives of a member evaluation program, and common errors in evaluating.

(B) Requisite Skills. The ability to communicate orally and in writing and to plan and conduct evaluations.

5.2.3 Create a professional development plan for a member of the organization, given the requirements for promotion, so that the individual acquires the necessary knowledge, skills, and abilities to be eligible for the examination for the position.

(A) Required Knowledge. Development of a professional development guide and job shadowing.

(B) Required Skills. The ability to communicate orally and in writing.

5.3 Community and Government Relations. This duty involves dealing with inquiries of allied organizations in the community and projecting the role, mission, and image of the department to other organizations with similar goals and missions for the purpose of establishing strategic partnerships and delivering safety, injury, and fire prevention education programs, according to the following job performance requirements.

5.3.1 Explain the benefits to the organization of cooperating with allied organizations, given a specific problem or issue in the community, so that the purpose for establishing external agency relationships is clearly explained.

(A) Requisite Knowledge. Agency mission and goals and the types and functions of external agencies in the community.

(B) Requisite Skills. The ability to develop interpersonal relationships and to communicate orally and in writing.

5.4 Administration. This duty involves preparing a project or divisional budget, news releases, and policy changes, according to the following job performance requirements.

5.4.1 Develop a policy or procedure, given an assignment, so that the recommended policy or procedure identifies the problem and proposes a solution.

(A) Requisite Knowledge. Policies and procedures and problem identification.

(B) Requisite Skills. The ability to communicate in writing and to solve problems.

5.4.2 Develop a project or divisional budget, given schedules and guidelines concerning its preparation, so that capital, operating, and personnel costs are determined and justified.

(A) Requisite Knowledge. The supplies and equipment necessary for ongoing or new projects; repairs to existing facilities; new equipment, apparatus maintenance, and personnel costs; and appropriate budgeting system.

(B) Requisite Skill. The ability to allocate finances, to relate interpersonally, and to communicate orally and in writing.

5.4.3 Describe the process of purchasing, including soliciting and awarding bids, given established specifications, in order to ensure competitive bidding so that the needs of the organization are met within the applicable federal, state/provincial, and local laws and regulations.

(A) Requisite Knowledge. Purchasing laws, policies, and procedures.

(B) Requisite Skills. The ability to use evaluative methods and to communicate orally and in writing.

5.4.4 Prepare a news release, given an event or topic, so that the information is accurate and formatted correctly.

(A) Requisite Knowledge. Policies and procedures and the format used for news releases.

(B) Requisite Skills. The ability to communicate orally and in writing.

5.4.5 Prepare a concise report for transmittal to a supervisor, given fire department record(s) and a specific request for details such as trends, variances, or other related topics, so that the information required for the AHJ is accurate and documented.

(A) Requisite Knowledge. The data processing system.

(B) Requisite Skills. The ability to communicate in writing and to interpret data.

5.4.6 Develop a plan to accomplish change in the organization, given an agency's change of policy or procedures, so that effective change is implemented in a positive manner.

(A) Requisite Knowledge. Planning and implementing change.

(B) Requisite Skills. The ability to clearly communicate orally and in writing.

5.5 Inspection and Investigation. This duty involves conducting fire investigations to determine origin and preliminary cause, according to the following job performance requirements.

5.5.1 Determine the point of origin and preliminary cause of a fire, given a fire scene, photographs, diagrams, pertinent data, and/or sketches, to determine if arson is suspected so that law enforcement action is taken.

(A) Requisite Knowledge. Methods used by arsonists, common causes of fire, basic origin and cause determination, fire growth and development, and documentation of preliminary fire investigative procedures.

(B) Requisite Skills. The ability to communicate orally and in writing and to apply knowledge using deductive skills.

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 edition of *NFPA 1600*, and AHJ-approved safety procedures, so that required resources and their assignments are obtained and plans are carried out in compliance with *NFPA 1600* 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 orally, 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 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, and customer service.

(B) Requisite Skills. The ability to write reports, to communicate orally, 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.

5.7 Health and Safety. This duty involves reviewing injury, accident, and health exposure reports, identifying unsafe work environments or behaviors, and taking approved action to prevent reoccurrence, according to the following job requirements.

5.7.1 Analyze a member’s accident, injury, or health exposure history, given a case study, so that a report including action taken and recommendations made is prepared for a supervisor.

(A) Requisite Knowledge. The causes of unsafe acts, health exposures, or conditions that result in accidents, injuries, occupational illnesses, or deaths.

(B) Requisite Skills. The ability to communicate in writing and to interpret accidents, injuries, occupational illnesses, or death reports.

Section VII – Plan of Instruction

Date	Chapters	Activities
DAY 1	7 – Special Situations and Occupancies Basement & cellar fires Garden Apts. Row Houses Town Houses Renovated Buildings Hotels & Motels Vacant Buildings Wildland Urban Interface	<ul style="list-style-type: none"> • Roster • Paperwork • Introductions • Assignment 1 due on Day 3 • Assignment 3 due on Day 5 • Case Study Review
DAY 2	8 – Health Care and High-Risk Populations 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"> • Attendance • Case Study Review • Assignment 2 due on Day 4 • Work on Assignment(s) /Presentations (time permitting)
DAY 3	9 – Commercial and Industrial Strip Mall Lumberyard Enclosed Shopping Malls Commercial Buildings and Warehouses High-Rise Buildings	<ul style="list-style-type: none"> • Attendance • Assignment 1 presentation • Case Study Review • Work on Assignment(s) /Presentations (time permitting)
DAY 4	10 – Technical Operations Hazardous Materials Incidents Initial Responders Dirty Bombs Tank Farm/Refinery Fires Terrorism Incidents Clandestine Labs Natural Disasters	<ul style="list-style-type: none"> • Attendance • Assignment 2 presentation • Case Study Review • Work on Assignment(s) /Presentations (time permitting)

DAY 5	11 – After The Incident Incident Critique / Post Incident Analysis Critical Incident Stress	<ul style="list-style-type: none"> • Attendance • Assignment 3 /Presentations • Final Exam
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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 2nd alarm fire. The describe the Tactical Worksheet on PowerPoint. The student must be able to describe and defend any questions form 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 _____

Expousers _____ 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 _____ acess _____

Resources eng co _____ #of avaiible 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

Attack	Fire attack teams? Enough to meet the need?
Rescue	Vent Enter Search? Traditional search
Ventilation	Roof vent? Horizontal? PPV?
Evacuation	Are they mobile? or do they need assistance?
Salvage	Save what we can, when we can, & how we can
Staging	Extra Units available? How long until on scene
Coverage	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 nd alarm requested and all crews given assignments	2 nd alarm arrived assignment given	2 nd alarm crews placed in staging and never use	No 2 nd alarm requested	1 st dispatched units not used	
					Total Score	

February 6, 2020 Unknown