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:
Name: Frank Ennist,
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Work Phone: 352-369-2838
Bldg. C Room 158

Program Manager/Instructor:
Name:
Email:
Work Phone:
Bldg. C Room

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

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

Continuing Education 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.

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### Section VII – Plan of Instruction

<table>
<thead>
<tr>
<th>Date</th>
<th>Chapters</th>
<th>Activities</th>
</tr>
</thead>
</table>
| **DAY 1** | 7 – Special Situations and Occupancies  
Basement & cellar fires  
Garden Apts.  
Town Houses  
Hotels & Motels  
Wildland Urban Interface  
Row Houses  
Renovated Buildings  
Vacant Buildings | • 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  
Assisted Living Facilities  
Mass Casualty Incidents  
Penal Institutions  
Public Assembly Buildings  
Nursing Homes  
Houses of Worship  
School Violence  
School Fires | • 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  
Enclosed Shopping Malls  
Commercial Buildings and Warehouses  
High-Rise Buildings  
Lumberyard | • Attendance  
• Assignment 1 presentation  
• Case Study Review  
• Work on Assignment(s) /Presentations (time permitting) |
| **DAY 4** | 10 – Technical Operations  
Hazardous Materials Incidents  
Initial Responders  
Tank Farm/Refinery Fires  
Clandestine Labs  
Dirty Bombs  
Terrorism Incidents  
Natural Disasters | • Attendance  
• Assignment 2 presentation  
• Case Study Review  
• Work on Assignment(s) /Presentations (time permitting) |
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 site________________
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____ access____

Resources

eng co____ #of avaible 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__________________________

THE BUREAU OF FIRE STANDARDS AND TRAINING
AT
The Florida State Fire College
11655 NW GAINESVILLE ROAD • OCALA FLORIDA • 34482-1486
352.369.2800 • WWW.FLORIDASTATEFIRECOLLEGE.ORG
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___________________

<table>
<thead>
<tr>
<th>Attack</th>
<th>Fire attack teams? Enough to meet the need?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rescue</td>
<td>Vent Enter Search? Traditional search</td>
</tr>
<tr>
<td>Ventilation</td>
<td>Roof vent? Horizontal? PPV?</td>
</tr>
<tr>
<td>Evacuation</td>
<td>Are they mobile? or do they need assistance?</td>
</tr>
<tr>
<td>Salvage</td>
<td>Save what we can, when we can, &amp; how we can</td>
</tr>
<tr>
<td>Staging</td>
<td>Extra Units available? How long until on scene</td>
</tr>
<tr>
<td>Coverage</td>
<td>Is the City Covered if Other calls happen?</td>
</tr>
</tbody>
</table>

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### Tactics and Strategy II

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<thead>
<tr>
<th></th>
<th>20</th>
<th>15</th>
<th>10</th>
<th>5</th>
<th>0</th>
<th>Score</th>
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<tbody>
<tr>
<td><strong>PowerPoint Presentation</strong></td>
<td>PowerPoint is well designed and presented properly. Covers all information. Work in team</td>
<td>PowerPoint is well described however team does not cover all information</td>
<td>PowerPoint is moderately described, and no members of the team reads from the screen or document in hand</td>
<td>PowerPoint is moderately described however team members read from the screen or document in hand</td>
<td>PowerPoint is barely described no matter if team members read from the screen or document in hand or not.</td>
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<tr>
<td><strong>Tactical Worksheet</strong></td>
<td>Tactical Worksheet is easy to understand, and all information is covered. Proper format used</td>
<td>Tactical Worksheet well designed but missing some information on subject</td>
<td>Tactical Worksheet short and missing information but proper format</td>
<td>Tactical Worksheet to short, missing information and wrong format but can understand</td>
<td>Lesson Plan to short, missing information, wrong format and not understood</td>
<td></td>
</tr>
<tr>
<td>Bench Marks</td>
<td>All bench marks were covered</td>
<td>Most bench marks were covered</td>
<td>Some bench marks were missing but important covered</td>
<td>Few bench marks were covered</td>
<td>No bench marks were covered</td>
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Support

2nd alarm requested and all crews given assignments  
2nd alarm arrived assignment given  
2nd alarm crews placed in staging and never use  
No 2nd alarm requested  
1st dispatched units not used

|  |
|---|---|---|---|---|
|  |  |  |  | Total Score |

February 6, 2020 Unknown