

### Firefighting Tactics and Strategies I

<i>Course Title</i>	Firefighting Tactics and Strategies 1
<i>Course Number</i>	ATPC1810
<i>Prerequisite (s)</i>	None
<i>Revision Date</i>	May 20, 2018
<i>College Credit Recommendation</i>	This course has a college recommendation of 3 credits, 45 contact hours
<i>Continuing Education Units (CEU's)</i>	CEU's for Instructor I, Instructor II, and Instructor III
<i>Class Days/Time</i>	Online continuing, join anytime
<i>Instructional Supervisor</i>	Ben Rigney (info@jbfires.com)
<i>Class Location</i>	JBFires.com online
<i>Course Description</i>	This course is designed to cover basic factors involved in coping with a fire emergency and determining the best use of available resources in protecting lives and property. The course emphasizes the changing nature of an emergency situation, and the ways in which the fire officer can evaluate the effectiveness of his or her proposed incident action plan.
<i>Student Learning Outcomes</i>	<p>After the successful completion of this course, the student will be able to do the following:</p> <ol style="list-style-type: none"> <li>1. Discuss what information is needed before an emergency to assist in choosing proper tactical methods.</li> <li>2. Describe management tools, Incident Command System (ICS), and the Incident Management System (IMS).</li> <li>3. Describe an Incident Action Plan and identify the steps and considerations in the decision making process</li> <li>4. Identify strategies implemented by engine and truck companies</li> <li>5. Describe the types of building construction and their impact on firefighting tactics.</li> <li>6. Describe the officer's responsibility to identify and mitigate building collapse issues</li> </ol>
<i>Required Textbook</i>	<p>Strategic &amp; Tactical Considerations of the Fire-Ground, 4rd Edition, Brady. ISBN # 13:978-0-13-4444264-8            (Old Text) Strategic &amp; Tactical Considerations of the Fireground, 3rd edition, Brady. ISBN # 978-0-13-25881-7            Chapters 1 to 6 are covered</p>
<i>Required Material</i>	Computer with internet access, textbook
<i>Method of Instruction</i>	Online (Must be logged into the course for a minimum of 40 Hours)
<i>Grading</i>	Passing 70%
<i>Certification(s)</i>	One of 4 required courses for Fire Officer 1 classification
<i>Attendance Policy</i>	Self paced online course to be completed within 1 month. If unable to continue for valid reason, contact instructor for course to be placed on hold or restarted at a later date. No refunds will be given for non completion. All courses completed by the end of the month will receive their final score and certificate by the 15 <sup>th</sup> of the following month.
<i>Academic Integrity</i>	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 unadministered test, will result in immediate dismissal from the course.
<i>Students with Disabilities</i>	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.
<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 of NFPA 1021 (2009).</p> <p><b>Chapter One - Preparation</b></p> <ol style="list-style-type: none"> <li>1. Discuss the behavior of fire. (NFPA 1021, 4.5.2)</li> <li>2. Understand the benefits of training for the firefighter, company officer, and the fire department.</li> <li>3. Discuss the benefits of preplanning. (NFPA 1021, 4.6)</li> <li>4. Understand how to calculate needed fire flow.</li> <li>5. Recognize the duties of both company and chief officers. (NFPA 1021 4.1.1, 4.2., 4.2.1, 4.6, 4.6.2., 5.6, 5.6.1B)</li> <li>6. Identify the traits of a person with command presence.</li> <li>7. Identify and discuss the 16 firefighter life safety initiatives.</li> </ol> <p><b>Chapter Two – Management Tools</b></p> <ol style="list-style-type: none"> <li>1. Understand the origin of the Incident Command System. (NFPA 1021, 5.6.1,)</li> <li>2. Understand the implementation of the National Incident Management System. (NFPA 1021 5.6.1)</li> <li>3. Understand the positions of an incident management system. (NFPA 1021, 5.6.1)</li> <li>4. Discuss the position of command. (NFPA 1021, 5.6.1)</li> <li>5. Know the different types of status reports and the information required in each type of report. (NFPA 1021, 4.2.1)</li> </ol> <p><b>Chapter Three – Decision Making</b></p> <ol style="list-style-type: none"> <li>1. Describe an incident action plan. (NFPA 1021, 4.6.2)</li> <li>2. Understand the difference between cue-based and classical decision making.</li> <li>3. Identify and discuss the 13 points of size-up. (NFPA 1021, 4.6.1)</li> <li>4. Discuss strategy, tactics, and tasks found in the classical decision making process. (NFPA 1021, 4.1.1, 4.2.1)</li> <li>5. Discuss the modes of fire attack. (NFPA 1021, 4.1.1, 4.2.1)</li> </ol> <p><b>Chapter Four – Company Operations</b></p> <ol style="list-style-type: none"> <li>1. Discuss engine company duties. (NFPA 1021, 4.2.1)</li> <li>2. Discuss hose-line placement considerations. (NFPA 1021, 4.2.1)</li> <li>3. Discuss sprinkler and standpipe operations. (NFPA 1021, 4.2.1, 4.5.2)</li> <li>4. Discuss truck company operations. (NFPA 1021, 4.2.1)</li> </ol>

	<p>5. Discuss tactical operations at wind driven fires (FL Specific). (NFPA1021, 4.2.1)</p> <p>6. Discuss safety procedures when working around solar panels / power. (FL Specific) (NFPA 1021, 4.2.1)</p> <p>7. Discuss ventilation considerations in energy efficient homes (FL Specific). (NFPA 1021, 4.2.1)</p> <p>8. Discuss the impact of hurricane strengthening/hardening on operations (FL Specific). (NFPA 1021, 4.2.1)</p> <p><b>Chapter 5 – Building Construction</b></p> <p>1. Identify and discuss the five basic types of building construction. (NFPA 1021, 4.5.2)</p> <p>2. Discuss the benefits and safety concerns with fire involving timber trusses. (NFPA 1021, 4.5.2)</p> <p>3. Discuss the benefits and safety concerns of lightweight building components. (NFPA 1021, 4.5.2)</p> <p><b>Chapter 6 – Building Collapse and Scene Safety</b></p> <p>1. Describe building collapse indicators. (NFPA 1021, 4.5.2)</p> <p>2. Describe a plan to address search at a building collapse.</p> <p>3. Discuss the role and responsibilities of an incident scene safety officer.</p>
<i>Practical Applications</i>	<p>Final project: The student shall demonstrate the understanding of tactical operations, and strategic operations as discussed in the program. The student will be required to produce a 3-5 page APA written research paper on tactical application for basic engine company operations, for a single family dwelling fire. The student will apply his/her own agencies response plan and staffing and apparatus response. Adaptation of applied knowledge and skill sets will be evaluated.</p>
<i>Grading Scale</i>	<p>Quizzes 20%</p> <p>Class participation 20%</p> <p>Course project 20%</p> <p>Midterm exam 20%</p> <p>Final exam 20%</p>