

FT R071: FIRE FIGHTER I/II - STATE CERTIFICATION TESTING

Originator

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Name(s)

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College

Oxnard College

Discipline (CB01A)

FT - Fire Technology

Course Number (CB01B)

R071

Course Title (CB02)

Fire Fighter I/II - State Certification Testing

Banner/Short Title

FFI/II SFT Certification Tests

Credit Type

Credit

Honors

No

Start Term

Fall 2021

Catalog Course Description

FT R071 is a 2 week course introducing the student to the Firefighter I/II Certification Skills and Written Exams. Week one of the course reviews material in Firefighter I, Structural, Hazardous Materials and Wildland and Firefighter II, Structural exam components. Structured skill practice in each of the four components is scheduled over multiple days during week one. Week two consists of the Certification Exam itself. Four days of skills testing will be followed by one day of written testing. State Fire Training will validate student certifications through the Acadis portal upon successful completion of the Firefighter I/II Certification Exams.

Students wishing to register for this course will be required to present one or more of the following:

- a. Completion of FT R170 with a letter grade "B" or higher
- b. A signed statement by the agency's Fire Chief or designee identifying the sponsored student has completed all SFT training cognitive and psychomotor requirements for Firefighter I &/or II.
- c. Documentation of approval from State Fire Training for a Certification Retest
- d. Documented completion of an accredited Fire Academy and applying for certification testing

Additional Catalog Notes

Significant reading and study from the following documents is RECOMMENDED as preparation for the State Fire Training, Firefighter Certification Exams.

- a. Access to SFT website for Skill Sheets:
 - i. FF IA; Structural
 - ii. FFIB; Hazardous Materials
 - iii. FFIC; Wildland
 - iv. FF IIA; Structural
- b. Textbooks
 - i. IFSTA Essential's 7th Edition
 - ii. J&B Fundamentals of Firefighting Skills & Hazardous Materials Response
 - iii. Firefighter's Handbook on Wildland Firefighting, 4th Edition; William Teie

Taxonomy of Programs (TOP) Code (CB03)

2133.50 - *Fire Academy

Course Credit Status (CB04)

D (Credit - Degree Applicable)

Course Transfer Status (CB05) (select one only)

C (Not transferable)

Course Basic Skills Status (CB08)

N - The Course is Not a Basic Skills Course

SAM Priority Code (CB09)

B - Advanced Occupational

Course Cooperative Work Experience Education Status (CB10)

N - Is Not Part of a Cooperative Work Experience Education Program

Course Classification Status (CB11)

Y - Credit Course

Educational Assistance Class Instruction (Approved Special Class) (CB13)

N - The Course is Not an Approved Special Class

Course Prior to Transfer Level (CB21)

Y - Not Applicable

Course Noncredit Category (CB22)

Y - Credit Course

Funding Agency Category (CB23)

Y - Not Applicable (Funding Not Used)

Course Program Status (CB24)

1 - Program Applicable

General Education Status (CB25)

Y - Not Applicable

Support Course Status (CB26)

N - Course is not a support course

Field trips

Will not be required

Grading method

Pass/No Pass Grading

Does this course require an instructional materials fee?

Yes

Fee Amount

\$225.00

What personal property or material does the student need that the fee pays for?

1 \$75.00 Fire Fighter 1 State Fire Training test registration fee.

1 \$75.00 Fire Fighter 2 State Fire Training test registration fee.

1 \$75.00 Fire Fighter 1 certification fee.

Identify a specific course objective that cannot be met but for the use of the materials at issue.

These are required State Fire Training registration/certification test fees and course completion certificate.

Describe how the material has continuing value outside the classroom.

Students cannot take this test independently and can only register for the test through Oxnard College's Accredited Regional Training Program (ARTP). The certificate gives the student proof of completion as required by the state.

Is the amount of materials the students must supply, or the amount that they receive in exchange for the fee that is charged, consistent with the amount of material necessary to meet the required objectives of the course?

Yes

If students pay a fee rather than furnishing their own materials, why do they have to pay a fee rather than supply the materials themselves? Is the district/college the only source of the materials? If not, is there a health or safety reason for the district/college to supply the materials? If not, will the district/college supply the materials more cheaply than they can be obtained elsewhere, AND at the district's/college's actual cost?

Students cannot take this test independently and can only register for the test through Oxnard College's Accredited Regional Training Program (ARTP).

Specify the month and year in which the fee amount, or list of material provided, was reviewed by the host department to ensure that the preceding standards continue to be met.

November, 2020

Repeatable for Credit

No

Is this course part of a family?

No

Units and Hours

Carnegie Unit Override

No

In-Class

Lecture

Minimum Contact/In-Class Lecture Hours

8

Maximum Contact/In-Class Lecture Hours

8

Activity

Laboratory

Minimum Contact/In-Class Laboratory Hours

48

Maximum Contact/In-Class Laboratory Hours

48

Total in-Class

Total in-Class

Total Minimum Contact/In-Class Hours

56

Total Maximum Contact/In-Class Hours

56

Outside-of-Class

Internship/Cooperative Work Experience

Paid

Unpaid

Total Outside-of-Class

Total Outside-of-Class

Minimum Outside-of-Class Hours

16

Maximum Outside-of-Class Hours

16

Total Student Learning

Total Student Learning

Total Minimum Student Learning Hours

72

Total Maximum Student Learning Hours

72

Minimum Units (CB07)

1.5

Maximum Units (CB06)

1.5

Student Learning Outcomes (CSLOs)

Upon satisfactory completion of the course, students will be able to:

- | | |
|---|---|
| 1 | Upon successful completion of this course, the student will:
1. Pass letter from State Fire Training
2. FFI and FFII pass certificate from Oxnard College |
|---|---|

Course Objectives

Upon satisfactory completion of the course, students will be able to:

- 1
- i. FF1A: Structural
 - ii. Inspect SCBA
 - iii. Don Structural PPE
 - iv. Don SCBA
 - v. Doff SCBA
 - vi. Doff, Inspect and Prepare Structural PPE for Reuse
 - vii. Doff SCBA and PPE for Gross Decontamination
 - viii. Initiate a Response to an Emergency
 - ix. Receive a Telephone Call
 - x. Operate a Fire Department Radio
 - xi. Replace an SCBA Air Cylinder
 - xii. Use SCBA During Emergency Operations
 - xiii. Respond to an Emergency Scene on an Apparatus
 - xiv. Operate at an Emergency Scene
 - xv. Force Entry into a Structure
 - xvi. Activate an Emergency Call and Exit a Hazardous Area
 - xvii. Lift, Carry, and Raise a Ground Ladder
 - xviii. Attack a Passenger Vehicle Fire
 - xix. Operate a Portable Master Stream
 - xx. Extinguish an Exterior Fire
 - xxi. Search for and Rescue a Victim with no Respiratory Protection
 - xxii. Rescue a Firefighter
 - xxiii. Use a Ladder for Rescue
 - xxiv. Operate a Charged Attack Hoseline from a Ground Ladder
 - xxv. Attack a Live Interior Fire
 - xxvi. Attack a Simulated Interior Structure Fire
 - xxvii. Extend a Hoseline
 - xxviii. Load, Deploy and Advance an Attack Line
 - xxix. Load Supply Hose
 - xxx. Perform Horizontal Ventilation
 - xxxi. Overhaul a Fire Scene
 - xxxii. Remove Charred Materials
 - xxxiii. Control Water from a Sprinkler System
 - xxxiv. Remove Water from the Interior of a Structure
 - xxxv. Salvage a Room and its Contents
 - xxxvi. Cover Building Openings
 - xxxvii. Deploy a Portable Tank and Prepare for Drafting Operations
 - xxxviii. Forward Hose Lay
 - xxxix. Select, Carry, and Operate a Portable Fire Extinguisher
 - xl. Light a Scene
 - xli. Turn Off Building Utilities
 - xlii. Combat a Ground Cover Fire
 - xliii. Tie Knots
 - xliv. Hoist Tools Aloft
 - xlv. Operate Hand and Power Tools
 - xlvi. Operate an Air-Monitoring Instrument
 - xlvii. Clean and Check Equipment
 - xlviii. Replace a Burst Section of Hose
 - xlix. Build Hose Rolls
 - I. Clean and Maintain Hose and Mark Defective Hose
 - li. FF1B: Hazardous Materials
 - lii. Recognized, Identify and Isolate Hazardous Materials WMD
 - liii. Identify Markings
 - liv. Perform Product Control
 - lv. Don, Work In and Doff Chemical Protective Clothing
 - lvi. Perform Product Control
 - lvii. FF1C: Wildland
 - lviii. Don Wildland Personal Protective Equipment
 - lix. Deploy a Fire Shelter
 - lx. Doff Wildland Personal Protective Equipment
 - lxi. Maintain Assigned Personal Protective Equipment
 - lxii. Maintain Hand Tools and Equipment
 - lxiii. Assemble and Prepare for Response
 - lxiv. Use Incident Response Pocket Guide
 - lxv. Assume Safety Position for Retardant Drop
 - lxvi. Assemble, Use and Maintain a Back Pump
 - lxvii. Perform a Progressive Hose Lay (Hose)
 - lxviii. Perform a Progressive Hose Lay (Nozzle)
 - lxix. Construct a Fireline Using Hand Tools

Course Content

Lecture/Course Content

1. Provides a comprehensive, sequential outline of the course content, including all major subject matter and the specific body of knowledge covered.
 - a. Orientation and Administration
 - b. Fire Fighter Safety
 - c. Communications
 - d. Fire Tools and Equipment
 - e. Structural Fire Suppression
 - f. Fire Fighter Survival
 - g. Suppress of Fires Outside of a Structure
 - h. Fire Service Ethics and Leadership
 - i. Hazardous Materials
 - i. Hazardous Materials Awareness
 - ii. Hazardous Materials Operations
 - j. Wildland Firefighting
 - i. Wildland Firefighter Roles and Responsibilities
 - ii. Preparation
 - iii. Suppression
 - k. Firefighter 2A (Structural)
 - i. Fireground Operations
 - ii. Rescue Operations
 - iii. Fire and Life Safety

Laboratory or Activity Content

1. **FF1A: Structural**
2. Inspect SCBA
3. Don Structural PPE
4. Don SCBA
5. Doff SCBA
6. Doff, Inspect and Prepare Structural PPE for Reuse
7. Doff SCBA and PPE for Gross Decontamination
8. Initiate a Response to an Emergency
9. Receive a Telephone Call
10. Operate a Fire Department Radio
11. Replace an SCBA Air Cylinder
12. Use SCBA During Emergency Operations
13. Respond to an Emergency Scene on an Apparatus
14. Operate at an Emergency Scene
15. Force Entry into a Structure
16. Activate an Emergency Call and Exit a Hazardous Area
17. Lift, Carry, and Raise a Ground Ladder
18. Attack a Passenger Vehicle Fire
19. Operate a Portable Master Stream
20. Extinguish an Exterior Fire
21. Search for and Rescue a Victim with no Respiratory Protection
22. Rescue a Firefighter
23. Use a Ladder for Rescue
24. Operate a Charged Attack Hoseline from a Ground Ladder
25. Attack a Live Interior Fire
26. Attack a Simulated Interior Structure Fire
27. Extend a Hoseline
28. Load, Deploy and Advance an Attack Line
29. Load Supply Hose
30. Perform Horizontal Ventilation
31. Overhaul a Fire Scene
32. Remove Charred Materials

33. Control Water from a Sprinkler System
34. Remove Water from the Interior of a Structure
35. Salvage a Room and its Contents
36. Cover Building Openings
37. Deploy a Portable Tank and Prepare for Drafting Operations
38. Forward Hose Lay
39. Select, Carry, and Operate a Portable Fire Extinguisher
40. Light a Scene
41. Turn Off Building Utilities
42. Combat a Ground Cover Fire
43. Tie Knots
44. Hoist Tools Aloft
45. Operate Hand and Power Tools
46. Operate an Air-Monitoring Instrument
47. Clean and Check Equipment
48. Replace a Burst Section of Hose
49. Build Hose Rolls
50. Clean and Maintain Hose and Mark Defective Hose
 - **FF1B: Hazardous Materials**
 - Recognized, Identify and Isolate Hazardous Materials WMD
 - Identify Markings
 - Perform Product Control
 - Don, Work In and Doff Chemical Protective Clothing
 - Perform Product Control
 - **FF1C: Wildland**
 - Don Wildland Personal Protective Equipment
 - Deploy a Fire Shelter
 - Doff Wildland Personal Protective Equipment
 - Maintain Assigned Personal Protective Equipment
 - Maintain Hand Tools and Equipment
 - Assemble and Prepare for Response
 - Use Incident Response Pocket Guide
 - Assume Safety Position for Retardant Drop
 - Assemble, Use and Maintain a Back Pump
 - Perform a Progressive Hose Lay (Hose)
 - Perform a Progressive Hose Lay (Nozzle)
 - Construct a Fireline Using Hand Tools
 - Perform Mobile Pumping
 - Ignite and Extinguish Road Flares and Fusees
 - Assemble, Ignite, Extinguish and Disassemble a Drip Torch
 - Prep and Defend a Structure
 - Perform Mop Up Operations
 - Patrol the Fire Area
 - **FF2A: Structural**
 - Organize an Incident Management System
 - Complete a Basic Incident Report
 - Communicate the Need for Team Assistance
 - Extinguish an Ignitable Liquid Fire
 - Coordinate an Interior Fire Attack Line
 - Protect Evidence of Fire Cause and Origin
 - Extricate Victim Entrapped in a Motor Vehicle
 - Assist a Rescue Operations Team
 - Perform a Fire Safety Survey in an Occupied Structure
 - Present Fire Safety Information
 - Prepare a Preincident Survey

- Maintain Power Plants, Tools and Equipment
- Perform an Annual Service Test on a Fire Hose

Methods of Evaluation

Which of these methods will students use to demonstrate proficiency in the subject matter of this course? (Check all that apply):

Problem solving exercises
Skills demonstrations
Written expression

Methods of Evaluation may include, but are not limited to, the following typical classroom assessment techniques/required assignments (check as many as are deemed appropriate):

Clinical demonstration
Group projects
Laboratory activities
Objective exams
Oral presentations
Performances
Problem-solving exams
Role playing
Reports/papers
Skills demonstrations
Skill tests or practical examinations
Simulations

Instructional Methodology

Specify the methods of instruction that may be employed in this course

Audio-visual presentations
Collaborative group work
Clinical demonstrations
Class activities
Demonstrations
Group discussions
Instructor-guided use of technology
Internet research
Laboratory activities
Large group activities
Lecture
Other (specify)
Role-playing
Small group activities

Specify other method of instruction

One week of extensive practice of firefighter required skills prior to the follow week's exam.

Describe specific examples of the methods the instructor will use:

1. Written expression; Student will be in a classroom with a projected image of a residence actively being threatened by a wildfire in the urban interface. The student is to analyze and categorize the situation, triage the residence as identified by State recommended guidelines, select the proper structure defense method and describe how that method will be implemented.
2. Problem solving; Given a trapped patient (manikin) within an entangled vehicle, the student is to analyze the entrapment, determine the recommended method of extrication, select and utilize the proper power equipment to extricate the trapped victim from the vehicle.
3. Performance: Given an active fire within a storage container (Drager Burn container) and a fire engine pumper, student is to dismount the engine, don SCBA, deploy a hose line and prepare for Interior Fire Attack entry. After accessing smoke, student is to determine if it's safe to open the container door and introduce oxygen to the environment. Once backdraft or flashover are ruled out, the student (with a team member) make an entry and extinguish the interior fire.

Representative Course Assignments

Writing Assignments

1. Written expression; Student will be in a classroom with a projected image of a residence actively being threatened by a wildfire in the urban interface. The student is to analyze and categorize the situation, triage the residence as identified by State recommended guidelines, select the proper structure defense method and describe how that method will be implemented.

Critical Thinking Assignments

2. Problem solving; Given a trapped patient (manikin) within an entangled vehicle, the student is to analyze the entrapment, determine the recommended method of extrication, select and utilize the proper power equipment to extricate the trapped victim from the vehicle.

Reading Assignments

State Fire Training written exams are derived from standard firefighting textbooks. Significant reading required to study for exams.

1. IFSTA Essentials of Firefighting, 7th Edition covers Structural and Hazardous Materials written exams.
2. Firefighter's Handbook On Wildland Firefighting, 4th Edition covers the Wildland written exam

Skills Demonstrations

1. **FF1A: Structural**
2. Inspect SCBA
3. Don Structural PPE
4. Don SCBA
5. Doff SCBA
6. Doff, Inspect and Prepare Structural PPE for Reuse
7. Doff SCBA and PPE for Gross Decontamination
8. Initiate a Response to an Emergency
9. Receive a Telephone Call
10. Operate a Fire Department Radio
11. Replace an SCBA Air Cylinder
12. Use SCBA During Emergency Operations
13. Respond to an Emergency Scene on an Apparatus
14. Operate at an Emergency Scene
15. Force Entry into a Structure
16. Activate an Emergency Call and Exit a Hazardous Area
17. Lift, Carry, and Raise a Ground Ladder
18. Attack a Passenger Vehicle Fire
19. Operate a Portable Master Stream
20. Extinguish an Exterior Fire
21. Search for and Rescue a Victim with no Respiratory Protection
22. Rescue a Firefighter
23. Use a Ladder for Rescue
24. Operate a Charged Attack Hoseline from a Ground Ladder
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27. Extend a Hoseline
28. Load, Deploy and Advance an Attack Line
29. Load Supply Hose
30. Perform Horizontal Ventilation
31. Overhaul a Fire Scene
32. Remove Charred Materials
33. Control Water from a Sprinkler System
34. Remove Water from the Interior of a Structure
35. Salvage a Room and its Contents
36. Cover Building Openings
37. Deploy a Portable Tank and Prepare for Drafting Operations
38. Forward Hose Lay
39. Select, Carry, and Operate a Portable Fire Extinguisher
40. Light a Scene

41. Turn Off Building Utilities
42. Combat a Ground Cover Fire
43. Tie Knots
44. Hoist Tools Aloft
45. Operate Hand and Power Tools
46. Operate an Air-Monitoring Instrument
47. Clean and Check Equipment
48. Replace a Burst Section of Hose
49. Build Hose Rolls
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 - Use Incident Response Pocket Guide
 - Assume Safety Position for Retardant Drop
 - Assemble, Use and Maintain a Back Pump
 - Perform a Progressive Hose Lay (Hose)
 - Perform a Progressive Hose Lay (Nozzle)
 - Construct a Fireline Using Hand Tools
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 - Protect Evidence of Fire Cause and Origin
 - Extricate Victim Entrapped in a Motor Vehicle
 - Assist a Rescue Operations Team
 - Perform a Fire Safety Survey in an Occupied Structure
 - Present Fire Safety Information
 - Prepare a Preincident Survey
 - Maintain Power Plants, Tools and Equipment
 - Perform an Annual Service Test on a Fire Hose

Outside Assignments

Representative Outside Assignments

Textbook reading assignments and PPE/SCBA donning/doffing & inspection practice.

Articulation

Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
Sierra	Fire 0101	Firefighter Certification Testing	1

Attach Syllabus

FIRE0101(9708)_SCCC.pdf

District General Education

A. Natural Sciences

B. Social and Behavioral Sciences

C. Humanities

D. Language and Rationality

E. Health and Physical Education/Kinesiology

F. Ethnic Studies/Gender Studies

CSU GE-Breadth

Area A: English Language Communication and Critical Thinking

Area B: Scientific Inquiry and Quantitative Reasoning

Area C: Arts and Humanities

Area D: Social Sciences

Area E: Lifelong Learning and Self-Development

Area F: Ethnic Studies

CSU Graduation Requirement in U.S. History, Constitution and American Ideals:

IGETC

Area 1: English Communication

Area 2A: Mathematical Concepts & Quantitative Reasoning

Area 3: Arts and Humanities

Area 4: Social and Behavioral Sciences

Area 5: Physical and Biological Sciences

Area 6: Languages Other than English (LOTE)

Textbooks and Lab Manuals

Resource Type

Textbook

Classic Textbook

Yes

Description

IFSTA Essentials of Firefighting, 7th Edition.
Firefighter's Handbook On Wildland Firefighting, 4th Edition, William Teie

Primary Minimum Qualification

FIRE TECHNOLOGY

Additional local certifications required

Completion of a State Fire Training accredited fire academy or equivalent.

Review and Approval Dates

Department Chair

09/14/2020

Dean

09/14/2020

Technical Review

09/23/2020

Curriculum Committee

09/23/2020

DTRW-I

1/14/2021

Curriculum Committee

1/13/2021

Board

1/19/2021

CCCCO

MM/DD/YYYY

DOE/accreditation approval date

MM/DD/YYYY