

**CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION**  
**FIREFIGHTER ADVANCED TRAINING SYLLABUS**

I hereby verify that Firefighter \_\_\_\_\_ has successfully completed  
*NAME of FIREFIGHTER*  
all of the requirements of the Firefighter Advanced Training and is trained to a level of Firefighter  
Advanced.

ASSIGNED LOCATION OF THE FIREFIGHTER \_\_\_\_\_

UNIT \_\_\_\_\_ DATE OF HIRE \_\_\_\_\_



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<b>SECTION</b>	<b>LESSON PLAN TITLE</b>	<b>TIME</b>	<b>DATE</b>	<b>STUDENT INITIALS</b>	<b>INSTRUCTOR INITIALS</b>
<b>4301</b>	<b>FIRE DEPARTMENT ORIENTATION (1:00)</b>				
4301.2	Fire Service Organization	1:00			
<b>4302</b>	<b>STATION OPERATIONS (3:15)</b>				
	IIPP 7- New Employee Safety Orientation (Within 48 hours of station assignment)				
4302.1	Orientation; Station	1:00			
4302.3	Telephone Procedures	:15			
4302.4	Cal Fire Living Quarters	:15			
4302.5	Operations; Kitchen	:30			
4302.6	Garage, Shop, And Fueling Areas	:30			
4302.7	Emergency Rations	:15			
4302.8	Dealing With The Public	:30			
<b>4305</b>	<b>PERSONAL PROTECTIVE EQUIPMENT (3:30)</b>				
4305.8	Self Contained Breathing Apparatus (MSA); How To Don And Remove Sling Method	1:00			
4305.9	Self Contained Breathing Apparatus (MSA); How To Don & Remove Quick Mount/Seat Method	1:00			
4305.11	Self Contained Breathing Apparatus; Filling Cylinders	1:00			
4305.12	Self Contained Breathing Apparatus; How To Enter Narrow Openings	:30			
<b>4306</b>	<b>FIREFIGHTER SAFETY (:50)</b>				
4306.20	Lost; What To Do If	:30			
<b>4308</b>	<b>WATER SUPPLY SYSTEMS (3:30)</b>				
IFSTA PPT and Quiz	Chapter 12, " Water Supply"	3:30			

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SECTION	LESSON PLAN TITLE	TIME	DATE	STUDENT INITIALS	INSTRUCTOR INITIALS
<b>4307</b>	<b>HOSE (8:50)</b>				
<b>4309</b>	<b>HOSE APPLIANCES &amp; TOOLS (4:00)</b>				
IFSTA Reading Assignment	Chapter 13, "Fire Hose" Chapter 14, "Fire Streams"				
4307.4	Hose Couplings, Inspection During Bedding Operations	:20			
4307.5	Hose Maintenance Records	:30			
4307.6	Hose; How To Test	:30			
4307.21	Bed An Accordion Load; How To	1:00			
4307.22	Bed A Horseshoe Load; How To	1:00			
4307.33	How to Carry Hose From Hose Bed – One Shoulder Carry Method	:15			
PEX	<b>Carrying Hose From a Hose Bed – One Shoulder Carry Method</b>	*			
4307.34	Siamese Two Lines Into One Line;How To	:30			
4307.35	How to Wye One Line Into Two Lines	:15			
PEX	<b>Wying One Line Into Two Lines</b>	*			
4307.40	Hoselay; How To Make A Reverse Hoselay - Supply Line	:15			
4307.42	Attack Line-One Person Packing House Loop; How To Handle An				
4307.43	How to Handle a 2 ½" Attack Line – Two Person	:20			
PEX	<b>Handling a 2 1/2" Attack Line – Two Person</b>	*			
4307.44	Attack Line 2 ½ " How To Handle – Three Person	:30			
4307.46	Advance An Uncharged Line Up A Ladder Into A Window; How To	:30			

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4307.50	Retrieving A Charged "Wild Hose Line"	:30			
4307.51	Hydrant Connections Using Soft Suction Hose; How To Make	:45			
4307.52	Hose; How To Connect To An Upper Floor Standpipe And Advance	:30			
4307.54	Hose; How To Connect To A Sprinkler System	:30			
4307.57	Hose; How To Pick Up And Drain Hose-Horseshoe Shoulder Carry Method	:30			
4309.14	Hose And Nozzle Appliance; Inspection And Maintenance Of	1:00			
4309.15	Service Siamese Appliance; Features Of	:20			
4309.16	Service Wyes; Service Of	:30			
4309.17	Water Thief Appliances	:15			
4309.18	Hydrant Valves; Four-Way	:30			
4309.20	Foam Proportioners, Eductors, And Nozzles; Types Of	:30			
4309.21	Foam Eductor; How To Operate An In-Line	:30			
<b>4311</b>	<b>POWER TOOLS (3:00)</b>				
4311.1	Lighting Equipment; Components And Safety Considerations For Portable	1:00			
4311.3	Powertools; Inspection And Maintenance Of	2:00			
<b>4312</b>	<b>AIRCRAFT (1:00)</b>				
4312.3	Helicopter; How To Approach And Enter A	:30			
4312.4	Helicopter; How To Signal A	:30			
<b>4313</b>	<b>MOBILE EQUIPMENT (2:30)</b>				
4313.2	Fire Engine Driving Procedures For Emergency Movement	:30			
4313.8	Removing Objects From Between Duals	:30			

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SECTION	LESSON PLAN TITLE	TIME	DATE	STUDENT INITIALS	INSTRUCTOR INITIALS
4313.9	Jump Starting Vehicles	:20			
4313.14	Bulldozer Operations	:15			
4313.16	Bulldozer Swamper	:30			
4313.17	Bulldozer Swamper Hand Signals; How To Use	:30			
<b>4314</b>	<b>PUMP THEORY (11:00)</b>				
4314.1	Pump Theory-Types Of Pumps	2:00			
4314.2	Pump Cavitation	:30			
4314.3	Pump Gauges And Flow Meters	:30			
4314.4	Pump Plumbing; Fire Engine Systems	:30			
4314.5	Pump; Transmitting Power To The	:30			
4314.6	Pumping Operations; Basic Types Of	1:00			
4314.7	Drafting-Trouble Shooting	:30			
4314.10	Hoseline Pressure Losses; Factors Causing	:15			
4314.12	Pump Pressure Control Systems	:30			
4314.13	Water; Limitations Associated With Supplemental Sources	:15			
4314.16	Pumping; How To Make Intake Connections	:30			
4314.21 or 4314.33 or 4314.37	Pump Configuration, <i>Station Specific</i>	1:00			
4314.22 or 4314.23	Pumping; How To Operate Auxiliary Pump On <i>Station Specific</i>	:30			
4314.24 or 4314.27 or 4314.30	Pump From Tank-Cal Fire Engine <i>Station Specific</i>	:30			
4314.25 or 4314.28 or 4314.31 or 4314.35	Pump From Hydrant-Cal Fire Engine <i>Station Specific</i>	:30			

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SECTION	LESSON PLAN TITLE	TIME	DATE	STUDENT INITIALS	INSTRUCTOR INITIALS
4314.26 or 4314.29 or 4314.32 or 4314.36 or 4314.40	Pump From Draft-Cal Fire Engine <i>Station Specific</i>	:30			
4314.41 or 4314.42	Pumps Portable <i>Equipment Specific</i>	1:00			
<b>4316</b>	<b>FORCIBLE ENTRY ( 4:15)</b>				
IFSTA Reading Assignment	Chapter 9, "Forcible Entry"				
4316	Forcible Entry	:30			
4316.1	Forcible Entry Tools	1:00			
4316.2	Breaking Or Pulling Locks	:30			
4316.3	Forcing Entry Doors	:30			
4316.4	Forcing Overhead Doors	:15			
4316.5	Breaking Window Glass	:20			
4316.6	Opening Floors	:30			
4316.7	Opening Walls	:30			
4316.8	Opening Sheetrock Ceilings	:15			
<b>4317</b>	<b>PORTABLE FIRE EXTINGUISHERS (1:30)</b>				
IFSTA Reading Assignment	Chapter 6: Portable Fire Extinguishers				
4317.1	Extinguishers, Portable Fire; Regulations And Servicing	1:00			
4317.3	Extinguishers, Portable Fire; Inspection, Maintenance And Testing	:30			
<b>4318</b>	<b>LADDERS (3:00)</b>				
4318.4	Ladders; Inspection And Maintenance	1:00			
4318.5	Ladders; How To Pick Up And Carry A Low Shoulder Method, Two Person	1:00			

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SECTION	LESSON PLAN TITLE	TIME	DATE	STUDENT INITIALS	INSTRUCTOR INITIALS
4318.6	Ladders; How To Pick Up, Carry, Raise, Climb And Lower A 24' Extension Ladder-One Person Method	1:00			
PEX	<b>Pick Up, Carry, Raise, Climb And Lower A 24' Extension Ladder-One Person Method</b>	*			
<b>4319</b>	<b>ROPES &amp; KNOTS (8:15)</b>				
IFSTA Reading Assignment	Chapter 7, " Ropes and Knots"				
4319.4	Knots; How To Tie Square Knot	:10			
4319.5	Knots; How To Tie Half Hitch	:10			
4319.6	Knots; How To Tie Clove Hitch	:10			
4319.7	Knots; How To Tie Figure Eight Knot	:10			
4319.8	Knots; How To Tie Figure Eight Follow Through Knot	:10			
4319.9	Knots; How To Tie A Figure Eight Knot On A Bight	:20			
4319.10	Knots; How To Tie Double Figure Eight Knot On A Bight	:20			
4319.11	Knots; How To Tie A Becket Bend (Sheet Bend)	:15			
4319.12	Knots; How To Tie A Bowline - Open	:15			
4319.13	Knots; How To Tie A Bowline On A Safety Line	:15			
4319.14	Knots; How To Tie A Running Bowline Knot Around An Object	:15			
4319.15	Knots; How To Tie A Timber Hitch	:20			
4319.16	Knots, Hoisting; How To Tie Off A Charged Hose Line	:30			
4319.17	Knots, Hoisting; How To Tie Off A Dry Line	:30			
4319.18	Knots, Hoisting; How To Tie Off A Cylinder	:30			

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4319.19	Knots, Hoisting; How To Tie Off A Pike Pole	:30			
4319.20	Knots, Hoisting; How To Tie Off Axe, Pulaski Or Sledge Hammer	:30			
4319.21	Knots, Hoisting; How To Tie Off Shovel Or Mcleod	:30			
<b>4320</b>	<b>VEGETATION FIRES (4:00)</b>				
4320.7	Wildland Fire; Size Up And Report On Conditions	1:00			
4320.9	Wildland Fire Structure Protection	3:00			
<b>4321</b>	<b>STRUCTURE FIRES ( 7:15)</b>				
IFSTA Reading Assignment	Chapter 11, "Ventilation"				
4321.1	Structure Fire-Initial Attack Incident Organization	1:00			
4321.5	Structure Fire Size-Up	:45			
4321.14	Ventilation-Vertical	1:00			
4321.15	Ventilation-Horizontal	1:00			
4321.16	Ventilation-Positive Pressure	1:00			
4321.17	Ventilation-Fog Stream	1:00			
4321.18	Ventilate Using A Fog Stream; How To	:30			
4321.19	Ventilation-Fixed Smoke Venting Devices	1:00			
<b>4322</b>	<b>SALVAGE AND OVERHAUL (10:00)</b>				
IFSTA Reading Assignment	Chapter 17, "Loss Control"				
4322.1	Salvage And Overhaul Safety Considerations	:30			
4322.2	Overhaul; Buildings And Areas Safe After An Emergency; Procedures For Making	:30			
4322.3	Overhaul; Searching For Hidden Fires	:30			

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4322.4	Overhaul, Extinguishing Hidden Fires; Procedures For	1:00			
4322.5	Salvage Equipment; Common Types Of	:30			
4322.6	Salvage Covers - Types And Maintenance	1:00			
4322.7	Salvage; Grouping Building Contents For	:30			
4322.8	Salvage; Protecting Floors And Walls	:30			
4322.9	Overhaul; Covering Roof Openings	:30			
4322.10	Salvage Covers; Improvising With	1:00			
4322.16	Salvage Covers; How To Remove	:30			
4322.17	Salvage Covers; How To Roll For A One Person Spread	:30			
4322.18	Salvage Covers; How To Spread The Roll - One Person	:30			
4322.19	Salvage Covers; How To Fold For A One Person Spread	:30			
4322.20	Salvage Covers; How To Spread A Fold - One Person	:30			
4322.21	Salvage Covers; How To Fold For A Two Person Spread "Underwriter" Method	:30			
4322.22	Salvage Covers; How To Spread-Two Person Balloon Throw	:30			
<b>4324</b>	<b>FIRE PROTECTION SYSTEMS (3:15)</b>				
IFSTA Reading Assignment	Chapter 16, "Fire Protection Systems"				
4324.1	Fire Suppression Systems	3:00			
4324.2	Fire Suppressions Systems; Support	:15			

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<b>4325</b>	<b>PRE FIRE PLANNING (2:00)</b>				
4325.1	Pre-Planning	2:00			
<b>4326</b>	<b>FIRE PREVENTION PROGRAM (4:00)</b>				
4326.1	Prevention; Fire Department Codes, Ordinances, And Regulations	1:00			
4326.2	Prevention, Cal Fire Fire Prevention Program; Introduction To The	1:00			
4326.3	Prevention; Basic Instructional Techniques For Public Education	2:00			
<b>4330</b>	<b>VEHICLE EXTRICATION (5:00)</b>				
4330.1	Vehicle Stabilization	1:00			
4330.2	Vehicle Extrication - Gaining Access	4:00			
<b>4331</b>	<b>SPECIAL INCIDENT (4:30)</b>				
4331.1	Vehicle Accident - Scene Management	1:00			
4331.1.0	Traffic Control Patterns	1:00			
4331.2	Electrical Equipment; Safety Precautions When Working With Energized	:30			
4331.3	Earthquake Preparedness And Survival	2:00			
	<b>TOTAL HOURS</b>	<b>101:00</b>			

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<b>FORMAL COURSES</b>					
NWCG online or classroom	L-180, Human Factors On The Fireline (Within 90 Days Of Hire)	4:00			
CAL FIRE self-paced course	Water Rescue Awareness (Within 90 Days Of Hire)	4:00			
NWCG	Basic Land Navigation	8:00			
NWCG	S-212 Wildland Fire Chainsaws	24:00			
000118.pr	Radio Use Program Text	2:00			
NWCG or SFT (Classroom only)	I-200 Basic ICS	16:00			
0951-2805- MTDC USFS	Firefighter Cohesion And Entrapment Avoidance Tech Tip	3:45			
<b>RECOMMENDED SUPPLEMENTAL TRAINING</b>					
SFT	LARRO	24:00			
SFT	Fire Control 3A Or 3B	16:00			
SFT	Vehicle Extrication	16:00			
TBD	Introduction To Firing Techniques And Terminology	8:00			
SFT	FSTEP Courses Applicable To Unit Needs				
Policy 4039	ICS Level 200 Course				
	<b>Total Hours CAL FIRE AFF</b>	<b>158:00</b>			