



Pima Community College

Community Campus – Public Safety Institute

Syllabus – FSC-160

Course Information:

Course Prefix/Number: FSC-160

Course Title: Basic Wildland Firefighting

Semester: Spring 2012

CRN (Section Code): 23112/23833

Class Days/Times: FSSu, SSu – 0700-1700*

Class Dates – February 3, 4, 5, 11, 12

Site/Room: PSA – Rm 202

Credit Hours: 3

Prerequisites: N/A

Teaching Format: **(Lecture/Discussion/Hands-On)**

*The first day of class begins at 0700 with check-in. The other four days begin at 0800.

Instructor Information:

Name: John Roads & Karl Sieglaff

Email Address: (John) free.d1@longbear.com (Karl) ksieglass@gmail.com

Phone/Voice Mail: (John) 520-977-5734 (Karl) 520-322-5269

Availability: 0800-2100

Course Description:

Basic wildland firefighting - Includes locating and reporting the fire, incident operations and management, suppression equipment, fire behavior, size-up, methods of suppression, and safety.

This course is designed for firefighter's that will be exposed to the wildland fire environment. It is BASIC in nature and makes the assumption that you have little or no prior experience in this field. At the completion of this course and passing of the final exams, you will receive a National Wildfire Coordinating Group (NWCG) certificate for: S-130 Basic Firefighter, L-180 Human Factors and S-190 Introduction to Fire Behavior. The majority of this course is a combination of lecture, discussion and classroom exercises. The remainder will be a hands-on practical. The hands-on includes the use of fire shelters, use of handtools for fireline construction and water handling equipment. **Lace up leather boots, gloves, long sleeve shirt and long pants with a belt are necessary for the practical.** This will be discussed the first day of class.

Course Objectives

S-130 – Firefighter Training & L-180 – Human Factors

- Explain what the LCES (Lookouts, Communications, Escape Routes and Safety Zones) system is and how it relates to the Standard Firefighting Orders.
- Construct Fireline to required standards using various methods.
- Strengthen, reinforce, and use holding actions on a fireline.
- Extinguish the fire with or without the use of water.
- Complete assigned tasks in a safe and efficient manner.
- Given an assignment in a wildland environment, describe factors in that environment which could impact safety.

S-190 – Introduction to Wildland Fire Behavior

- Identify and discuss the three sides of the fire triangle.
- Identify the environmental factors of fuels, weather and topography that affect the start and spread of wildland fire.
- Describe the contributing factors that indicate the potential for increased fire behavior that may compromise safety.

Course Outline:

PRE-WORK

Part I - Reading Assignments – On-line quiz

Part II - I-100 On-Line Course

Part III - Fire Shelter Reading

CLASSROOM

Day 1 Check-In, Logistics, Introduction – ALS, S-190 – Introduction to Fire Behavior, Patrolling

Day 2 Firefighter Preparedness, ICS, Resource Typing, Fire Shelters, Transportation, Hand Tools, Firing Devices

Day 3 Suppression Methods, Class A Foam, Radios, Field Practical if weather permits

Day 4 Mop-Up, Haz Mat, Wildland Urban Interface, Watch-Outs/Fire Orders, LCES, Mapping

Day 5 Compass, Human Factors, Exam Review & Final Exam

Textbooks/Instructional Materials:

Student workbooks and handouts will be available the first day of class. Please bring cash, check or money order payable to Karl Sieglaff for \$35.00. **Payment must be received at check-in the first morning.**

ADA Compliance:

Pima Community College provides reasonable academic accommodations to those students who qualify under the Americans with Disability Act (ADA). Appropriate documentation will be required to determine eligibility to receive accommodations. If you need an accommodation to participate in this class, please contact the campus Disabled Students Resource (DSR) office at 206 – 6688 to begin the accommodation request process.

Field Trips:

One or more field trips are planned during this course. If you need a reasonable accommodation to participate in field trips, please contact the campus DSR office as soon as possible to ensure timely evaluation of your request and provision of services.

Academic Integrity:

- Students are expected to abide by the *Student Code of Conduct* <http://www.pima.edu/studentserv/studentcode/index.shtml> and the *Code of Academic Integrity*, <http://www.pima.edu/studentserv/studentcode/studentcode-2-conduct.shtml> (also available at PCC campus libraries).
- Violations of scholastic ethics are considered serious offenses by Pima Community College, the Fire Science Department and by your instructors. Students may consult the PCC Student Handbook sections on student code of conduct, on scholastic ethics and on the grade appeal procedure. Copies are available at PCC campus libraries and at <http://www.pima.edu/~coadmissions/studresp.htm>.
- All work done for this class must be your own. While you may discuss assignments with other class members, the final written project must clearly be your own. You may use work from books and other materials if it is properly cited. Copying from a book without proper reference or from a person under any circumstances will result in an F for the assignment, and at the instructor's discretion, possibly an F for the course.

Attendance:

Attendance is mandatory. This course requires that you attend ***ALL*** classroom and field practical sessions. In the event that you are unable to attend due to an emergency or shift work, you must notify the instructor of the dates and times that you will be absent. The missed time must be made up through another course. You need to make every effort to attend the scheduled sessions. Additional classes that are scheduled through other agencies may conflict with your schedule. In that case you will need to wait until next semester to complete this course. You have the next two semesters to makeup the missed portion(s) of the course.

Classroom Behavior:

- Refer to the *Student Code of Conduct* <http://www.pima.edu/studentserv/studentcode/index.shtml> for requirements relating to student behavior.
- Because of insurance limitations, non-registered visitors are not allowed at class sessions or on field trips.
- Possession of drugs, alcohol or firearms on college property is illegal.
- Eating, drinking, smoking and soliciting are not allowed in classrooms.

- Pets, telephones, pagers and other electronic devices that distract students/instructors are not allowed in classrooms.
- Students creating disturbances that interfere with the conduct of the class or the learning of others, violations of the *Student Code of Conduct*, will be referred to the Division Dean and/or the Dean of Students.
- Disruptive behavior will not be tolerated and can be cause for being dropped from the class. Disruptive behavior is defined as behavior that is disruptive to the learning process and outside normal behavior parameters. See the *Student Code of Conduct* for particulars, but examples of disruptive behavior are inappropriate talking, arriving late or leaving early, sleeping or doing other class work in class, etc.

Grading Procedures and Policy:

The passing grade for the S-130 Basic Wildland Exam/portion of the course is 70%.

The passing grade for the S-190 Introduction to Fire Behavior Exam/portion of the course is 70%.

Letter grades will be assigned by the standard percentage breaks. However, students not meeting the above criteria will have their certifications held.

Students wanting a pass/fail grade must notify the instructor at the beginning of class. If no notification is made the following will apply:

A – 90-100%

B – 80-89%

C – 70-79%

D – 60-69%

F – <60%

Make-up /Late Work Policy:

Failure to complete pre-course assignments or to pay for books at check-in the first morning may result in a reduction of letter grade.

Withdrawals:

This course is offered in 5 short days in the middle of the semester. Withdrawals will be based on PCC criteria and dates established each semester. Failure to show for the course, and still remaining on the roster at the time grades are posted, will result in an “F” grade.

Incomplete (I) grade:

Students failing to complete the course work as scheduled will receive a grade of “I” and will have one year to make of the missed material. If the material is not made up within the one year period, the grade is changed to “F”. See also – Attendance.

Final Grades:

Students can obtain final grades using MyPima (Banner) at the end of the semester when all grades have been recorded. For privacy and security reasons, instructors are advised NOT to give grades by telephone or email.

Course Schedule – FCS-160 - CRN 23112/23833

(Note – This course encompasses 49-50 hours. This includes 8-9 hours of pre-class work and 41 hours in the classroom.)

			PRE-WORK	Hour s
Part 1			Reading Assignments – On-line quiz	4
Part 2			I-100 On-Line Course	3
Part 3			Fire Shelter Reading	2
			CLASSROOM	
Day	Date	Time	Description	
1	Friday Feb 3	0700-1700	Check-In, Logistics, Introduction – ALSD, S-190 – Introduction to Fire Behavior, Patrolling Assignments – Handed out in class	9
2	Sat Feb 4	0800-1700	Firefighter Preparedness, ICS, Resource Typing, Fire Shelters, Transportation, Hand Tools, Firing Devices	8
3	Sun Feb 5	0800-1700	Suppression Methods, Class A Foam, Radios, Field Practical if weather permits ***	8
4	Sat Feb 11	0800-1700	Mop-Up, Haz Mat, Wildland Urban Interface, Watch-Outs/Fire Orders, LCES, Mapping	8
5	Sun Feb 12	0800-1700	Compass, Human Factors, Exam Review & Final Exam	8
			Total Hours	50

*****Lace up leather boots, gloves, long sleeve shirt and long pants with a belt are necessary for the practical.**

Acknowledgment of Receipt of Syllabus

Please sign and return the following acknowledgment to me in class at the time of check-in:

____ I have received my **FSC-160** syllabus (including course objectives, policies, requirements and schedule) and have read and understood all the enclosed materials.

____ I have no objection to receiving an occasional call from the instructor at the number given with my registration materials.

____ I prefer that the instructor not call or contact me by phone anytime during the semester.

My reasons for taking this course:

Name _____

Student ID # _____

Phone # _____

E-mail Address _____