

Fire 77, Hazardous Materials for Public Safety, Section 0105, Fall 2023, Course Syllabus



Cartoon Credit Paul Combs.

Introduction to Hazardous Materials for Public Safety Syllabus is optional for your use. Available for review is the [Fire 77 course outline of record](#).

Course Description

Fire 77 is a 3-unit elective class in the Fire Technology AS program. Fire 77 is a comprehensive study of the emergency response to hazardous materials (hazmat) incidents. Includes basic hazardous materials legal requirements; hazard recognition and safety; terrorism recognition and response; use of the Emergency Response Guidebook (ERG); hazardous materials properties and effects; hazardous material classification; chemical monitoring equipment; reference materials and databases; isolation and notification requirements; incident planning, organization, command and scene management; response training levels, tactics and strategies; Personal Protective Equipment (PPE); countermeasures; protective actions; decontamination, documentation, and disposal requirements. Students who are successful in the requirements of the course and state testing will receive certificates in Hazardous Materials First Responder Operations (FRO), Decontamination, Weapons of Mass Destruction (WMD), and Incident Command from the California Specialized Training Institute (CSTI). This course is certified by the Commission on Peace Officer Standards and Training (P.O.S.T.) for the State of California.

It is a compilation of four California Specialized Training Institute (CSTI) Hazardous Materials response classes. State certification is granted for successful completion (70% or higher on each of the four state exams) of each section:

- First Responder Operation
- First Responder Operations/WMD
- First Responder Operations Decontamination
- Incident Commander

We will be using Canvas for assignments, discussion threads, exercises, quizzes, videos, and presentations throughout this class. Please go through the online readiness portions to assess your computer prior to the start of class. There may be times that ZOOM class will be required.

Student Learning Outcomes

Upon successful completion of this course, the student will be able to:

1. Demonstrate the use of the ERG to identify the hazardous materials name, hazard classification, suggested protective distances, primary and secondary hazards and/or chemical behaviors, appropriate PPE and necessary first responder actions.
2. Recognize the need for decontamination and demonstrate emergency, and technical decontamination of victims and responders.
3. Demonstrate the implementation of the Incident Command System for safe and competent response to a hazardous materials incident.

Class Meetings

In-person classes are mandatory and will occur on scheduled Wednesday's from 9AM until 12PM including exam and skills testing at the Public Safety Training Center. The following dates below will be in-person class dates. The rest of the class is asynchronous and requires Canvas module completion. Modules will be due on the assigned day by 11:59 PM. Do not wait until the last minute to complete the quizzes, discussions, and assignments.

- August 16, 2023, Room 706
- October 11, 2023, Room 706
- October 25, 2023, Room 706
- December 6, 2023, Room 706

Instructor Contact

Linda Collister | She, her, hers
Fire Technology Tenure Instructor
Public Safety Training Center
5743 Skylane Blvd.
Windsor, CA 95492

Office: (707) 836-2922
Mobile: (707) 477-8845

CANVAS INBOX: Please use the "Inbox" and select Fire 77 Collister, L for our primary communication. This is the PREFERRED method for communication to ensure any class issues are resolved promptly.

Office Hours: Phone or ZOOM meeting. In person meetings will be scheduled at the Public Safety Training Center, 5743 Skylane Blvd, Santa Rosa, CA 95492. Please email or call to set up an appointment.

Contact Phone Number: (707) 477-8845, email or text is preferred and if a call back is necessary, please leave a message.

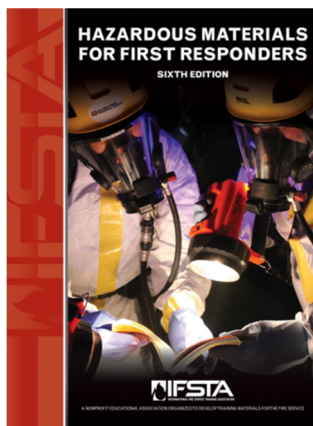
Course Web Site

Students will use the Canvas course web site for assignment instructions, submitting assignments, viewing classmates' work, sharing resources, taking part in discussions, and viewing grades. Additionally, our text and course reference the links listed under the Home Page picture. These include NFPA, and ICC Free Code References.

Textbooks

The following textbook will be required for class and the 2020 ERG will be required for testing. Mobile devices and computers will not be allowed for testing. I expect everyone to have the "Hazardous Materials for First Responders, Sixth Edition" at the start of the class. I will supply the 2020 ERG's.

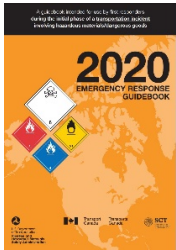
The textbook is available for purchase at the Santa Rosa Bookstore, and a copy will be available at the library.



Hazardous Materials for First Responders, Sixth Edition, IFSTA, ISBN:978-0-87939-757-9

You can locate and order textbooks online via the [SRJC Bookstore](#).

Online Ordering Information: [Hazardous Materials for First Responders, Sixth Edition](#)



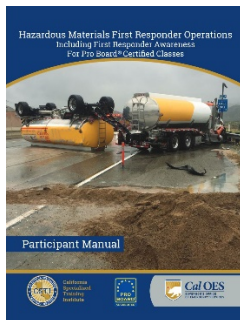
[2020 Emergency Response Guide \(ERG\)](#)

[\(ERG\) Mobile App for Android](#)

[\(ERG\) Mobile App for IOS](#)

Below are texts available for free online from CSTI for download. **They are not required.** Our main text will be the IFSTA Hazardous Materials for First Responders. I have added the links for the materials; however, some are large manuals and may be cost prohibited to print on your own.

[CSTI Hazardous Materials First Responder Operations Participant Manual \(PRO Board-Certified Classes\)](#)



[CSTI Hazardous Materials Incident Commander Participant Manual](#)



CSTI Hazardous Materials First Responder Operations Decontamination



Required Software

- [Adobe Reader](#)
- [Open Office](#)
- [Chrome](#) is the recommended browser for Canvas.
- [Adobe Express](#)

Run this [computer readiness test](#) to check your browser for plugins and versions.

Important Dates

Day Canvas is available: Thursday, August 10, 2023, Online

Monday, August 14, 2023 CLASSES BEGIN

Sunday, August 20, 2023 Last day to register/add class without instructor's signature or add code

Sunday, August 27, 2023 Last day to drop semester length class and be eligible for a refund

Sunday, September 3, 2023 Last day to register/add class with the instructor's signature or add code

Sunday, September 3, 2023 Last day to drop a semester length class without "W" symbol

Monday, September 4, 2023 Labor Day Holiday (No classes, District closed)

Tuesday, September 5, 2023 First Census Day

Sunday, September 17, 2023 Constitution Day and Citizenship Day (Classes will meet)

Friday, September 22, 2023 Native American Day (No classes, District closed)

Monday, October 16 - Sunday, November 12, 2023 Midterm progress indicators posted in student portal

Friday, November 10, 2023 Veterans Day Holiday (No classes, District closed)

Sunday, November 12, 2023 Last day to drop a semester length class with "W" symbol

Friday, November 24, 2023 Professional Development 1/2 Flex Day (No classes or activities, District closed)

Thursday, November 23 - Sunday, November 26, 2023 Fall Break (No classes, District closed)
Saturday, December 9 - Friday, December 15, 2023 Final Examinations
Friday, December 15, 2023 Last day to opt for P/NP for a semester length class
Saturday, December 16, 2023 - Sunday, January 14, 2024 Semester Break (No classes)
Friday, December 29, 2023 Final grade rosters due

Dropping the Class

If you decide to discontinue this course, it is your responsibility to officially drop it. A student may be dropped from any class when that student's absences exceed ten percent (10%) of the total hours of class time. It is strongly advised that if you need to miss more than one class/homework deadline in a row that you contact the instructor to avoid being dropped from the class.

Attendance

Directly from the college catalog: For classes that meet online, a No-Show is an enrolled student who has not logged on and initiated active participation by 11:59 PM Pacific Time of the second day of the class which is the first day of Unit 2.

Attendance is not optional for this course. If a student accrues nine hours (9) of absence, including tardiness and leaving early, they may be dropped from the class. Mandatory in-person days are required for testing.

Extra assignments will not be given as a substitute for attendance. No distinction is made between *excused* absences and *unexcused* absences unless state or federal law requires the absence to be deemed *excused*. Students who add the course late are considered absent for those classes they missed.

Alternate Classroom Location(s):

An alternate classroom location may be announced in Canvas. Attendance is required at alternate classroom locations and will be documented. Transportation to the alternate classroom is the responsibility of the student.

Appropriate attire is required for field trips. You are expected to exhibit a professional appearance and demeanor.

Teamwork

Students will be assigned into groups of 3-4 for purposes of group projects, student networking, and teamwork.

If you miss an assignment or have general class questions, it is encouraged to check with your group for missing information prior to individually requesting information from the instructor.

We will periodically break into our groups for the purpose of working on review assignments, class discussion, presentation preparation, etc.

Teamwork is not an option in the fire service.

Classroom Rules

1. Professional behavior is expected.
2. The classroom environment is to be a place of mutual respect.
3. **You are expected to arrive on time for the beginning of class and after all breaks.**
4. Leaving early is a very rude and bad habit to get into. It is noticed by all instructors and not appreciated. Without prior approval, it may count as an absence of the entire class.
5. Participation is expected and encouraged.
6. No talking when the instructor or anyone else is addressing the class.
7. **No texting. No email. No Pagers.**
8. Computer note taking is allowed but computer use is restricted to class material.
9. Quizzes and exams are controlled and must **NOT** be taken from the classroom or copied.
10. Cheating of any type will result in failure of the assignment, suspension of up to two sessions, and/or an “F” semester grade. Plagiarism of another student’s homework will result in discipline of **both** students.
11. No tobacco allowed.
12. Food is restricted to breaks outside of the classroom.
13. Parking in student parking not the reserved parking area.

These are the minimum rules. The expectation in this class and all others is enthusiasm for learning, respect for each other and the profession, and a commitment to ongoing learning.

Instructor Announcements and Q&A Forum

The instructor will post announcements on the Announcements page in Canvas throughout the semester. Canvas notifies students according to their preferred Notification Preferences. A “Q&A Forum” is also available as a pinned Discussion to ask for assistance of your classmates or of the instructor.

Late Policy

All assignments, discussions and quizzes are due in Canvas at 11:59 PM [Pacific Standard Time] on the due date. A late submission will not receive a grade but will still have to be submitted. Submissions more than one week late are not accepted without prior arrangement. There will be modules that allow you to go back and submit past due assignments for partial grades.

Quizzes and Exams

Quizzes will be on Canvas while CSTI exams will be given in class. This is required by State certification requirements. Exams are based upon understanding hazardous materials, so reading

and understanding the text is the best way to understand the information after the classroom portion is completed.

Adobe “[Express \(Links to an external site\)](#)” Presentation

Students ARE REQUIRED to complete the final assessment Adobe Express presentation as the final exam. It will consist of a minimum of 15 pictures, but no more than 20. (Students who choose not to submit a presentation will receive an F for the course.) The presentation will be based upon a reflection of what the student has learned from the class as described on the assignment page or as approved by the instructor. The presentation will be based upon a historical hazardous materials incident provided by the instructor. The presentation **must** include the works cited within the presentation. This assignment will be broken into three mandatory submittals. The final submittal will be the full presentation. The presentation must be submitted through Canvas (Assignment Link). Grades for late presentations will not be accepted unless arrangements are made prior to the deadline. The due date is provided on the Unit Content Table. See the Rubric for the Presentation on the assignment page. All three submittals are REQUIRED MANDATORY assignments. Students who do not complete the assignments FAIL the course.

Online Discussion Attendance

Networking is extremely important for the students, firefighters, and fire service professionals at all levels. We will have some seasoned firefighters and fire professionals in the class so it's a great place to network and ask questions.

DIRECTIONS for Discussion Success:

Discussions will be shared throughout the class. You must participate in the discussion of the topic.

There may be discussions that you will be required to use FLIP or be used for extra credit. The requirements for these discussions will clearly be spelled out on that Unit's Discussion Page. Follow the Rubric for full points.

Grading

Skills Test:

Skills tests from both CSTI and State Fire Training will be conducted to give students a hands-on application of various topics and to prepare. All skills tests except the ERG skills test are dependent on outside agency participation and equipment therefore no makeup will be accommodated. The decontamination skills test is required to earn the Decon certificate from CSTI.

Click the “Grades” link in Canvas to keep track of your grades. I grade weekly (usually Mondays) and post grades and comments in the Canvas grade book. Modules may include extra credit assignments.

Grades will be assigned as follows:

- A** 90%
- B** 80%
- C** 70%
- D** 60%

Instructor Feedback

The instructor will provide feedback to the student on graded assignments and discussions using the comments section of the grades. On assignments that are turned in as a document, the instructor may add comments to the actual document. The student must turn on account notifications. The instructor may send out an announcement to notify students of a change that may affect the entire class or group of students.

Standards of Conduct

Students who register in SRJC classes must abide by the SRJC Student Conduct Standards. Violation of the Standards is basis for referral to the Vice President of Student Services or dismissal from class or from the College. See the [Student Code of Conduct page](#).

Collaborating on or copying of tests or homework in whole or in part will be considered an act of academic dishonesty and result in a grade of zero for that test or assignment. Students are encouraged to share information and ideas, but not their work. These courses are for you to learn. Using AI websites like ChatGPT to answer the questions may leave you with a lesser grade if the information is not cited and includes no critical thinking from you. See these links on Plagiarism:

[SRJC's statement on Academic Integrity \(links to an external site\).](#)

Homework:

Homework assignments will be given to supplement the in-class discussion on Canvas.

Quizzes:

Quizzes will be given during the semester at regular intervals and will be scheduled through Canvas. The quizzes will help prepare for the CSTI certification tests.

Midterm Examination:

A midterm exam will be your first CSTI FRO Exam. It will contain questions from all topics covered in the textbook, lectures, and other reference material. The exam will contain multiple-choice questions.

CSTI Tests:

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- First Responder Operations
- First Responder Operations WMD
- First Responder Operations Decontamination
- Hazardous Materials Incident Commander

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[SRJC Writing Center Lessons on avoiding plagiarism](#)
[SRJC's statement on Academic Integrity](#)

Special Needs

Every effort is made to conform to accessibility standards for all instructor-created materials. Students should contact their instructor as soon as possible if they find that they cannot access any course materials. Students with disabilities who believe they need accommodation in this class are encouraged to contact Disability Resources on this phone number (707) 527-4278.

List of assignments

Note to students: To view all course content, go to Modules.