FIRE74: Fire Protection Equipment and Systems: Section 3691, Fall 2024 Course Syllabus

Fire Protection Equipment and Systems Syllabus is optional for your use. Available for review is the [Fire 74 course outline of record.](#)

Course Description

Fire 74 is a 3-unit core Fire Technology course that provides fundamental information on portable fire extinguishing equipment; water systems, protection systems for special hazards; automatic fire sprinkler systems, standpipes and hose systems, fire detection equipment, signaling equipment, and smoke management systems.

The best way to move through the class is to use the modules and select next at the bottom of the page so that you do not miss any content. Quizzes are required for 14 Units to assess your knowledge of the subject. There will be no quiz for Units 15 or 16. This time should be spent on your final "Historical Street Block Fire Protection" Adobe Express presentation. This peer reviewed presentation will be seen as your final exam as well as graded by the instructor.

Student Learning Outcomes

- Upon successful completion of this course, the student will be able to:
- Describe the different types of fire alarm systems and their operating principles.
- Describe the different types of water-based fire protection systems and their operating principles.
- Describe the types of fire extinguishers and specialized fire protection systems and their application.

 The Fire 74 Student Learning Outcomes can be found [online](#).

Class Meetings

There will be no physical class time. We will have one group online meeting on the first day of the semester through ZOOM. Others may be scheduled as needed or as requested.

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 FIRE74 Collister, L for our primary communication. This is the PREFERRED method for communication to ensure any class issues are resolved promptly.

Phone: (707) 477-8845 or the Pronto App in Canvas to send text messages.

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.
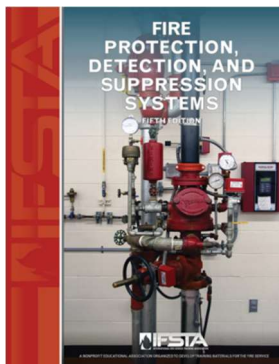
I respond to emails within 24 hours.

You may also use the Canvas Conversations Inbox to send me 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.

Textbook

Fire Protection, Detection, and Suppression Systems. Fifth Edition, by IFSTA ISBN: 978-087939599-5 (Click above link to buy direct from IFSTA)

You can locate and order textbooks online via the SRJC Bookstore.

Required Software

- [Adobe Reader](#)
- [Chrome](#) is the recommended browser for Canvas
- Microsoft Office WORD or Google Docs
- [Adobe Express](#)

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

Important Dates

Day Canvas is available Online: Friday, August 9, 2024

Monday, August 19, 2024   CLASSES BEGIN
Sunday, August 25, 2024   Last day to register/add semester length class without instructor's signature or add code
Sunday, September 1, 2024   Last day to drop semester length class and be eligible for a refund
Monday, September 2, 2024   Labor Day Holiday (No classes, District closed)
Sunday, September 8, 2024   Last day to register/add semester length class with the instructor's signature or add code
Sunday, September 8, 2024   Last day to drop a semester length class without "W" symbol
Monday, September 9, 2024   First Census Day
Tuesday, September 17, 2024   Constitution Day and Citizenship Day (Classes will meet)
Friday, September 27, 2024   Native American Day (No classes, District closed)
Monday, October 21 - Sunday, November 17, 2024   Midterm progress indicators posted in student portal
Monday, November 11, 2024   Veterans Day Holiday (No classes, District closed)
Sunday, November 17, 2024   Last day to drop a semester length class with "W" symbol
Thursday, November 28 - Sunday, December 1, 2024   Fall Break (No classes, District closed)
Friday, December 13, 2024   Last day to opt for P/NP for a semester length class
Saturday, December 14 - Friday, December 20, 2024   Final Examinations

Dropping the Class

If you decide to drop 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. If you need to miss more than one class/homework deadline in a row, 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 started active participation by 11:59 PM Pacific Time of the second day of the class which is the first day of Module 2.

Instructor Announcements

The instructor will post announcements on the Announcements page in Canvas throughout the semester. Canvas notifies students according to their preferred Notification Preferences.

Late Policy

All assignments are due at 11:59 PM [Pacific Standard Time] on the due date. A late submission will receive a zero until submitted. Students will lose 10% per day of the total grade until submitted down to 50%. Submissions more than one week late without prior arrangement with the instructor will not be accepted. There will be modules that allow you to go back and submit past due assignments for partial grades. Look for Extra Credit discussions in the modules to make up for missed points.

Quizzes and Assessments

There are 14 online quizzes. The midterm is not your typical exam assessment. The midterm will be a student reflection of the materials covered in the text and online materials. The final assessment will incorporate information from the texts and lessons in the Adobe Express presentation of a historical street block fire protection systems from the student's City of choice. The material for the quizzes comes from the textbook and lessons. If a quiz or assessment is missed the score will be recorded as a zero. It is the student's responsibility to take the quizzes by the due date. The "Historical Street Block Fire Protection" Adobe Express presentation submittal will be due the week prior to the final Module and the peer review will be the last discussion assignment to complete the class. Because of your busy lives, two of the lowest quiz scores will removed from the final score.

Adobe "Express" Presentation

Students ARE REQUIRED to complete "Historical Street Block Fire Protection" 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 on a topic from a list provided on the assignment page or as approved 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.

Start looking in your local area of a historical street block that you would like to do a presentation on. The presentation will include visible fire protection systems that are installed on that street block. Data and pictures, with permission if inside, will be collected from public areas and during opening hours. Students will provide a history of the area and show where fire protection systems have been added. Students will try to complete a very basic assessment if a fire were to start in one of the buildings and how much of the historical area they could lose because of the lack of protection or could be saved because of the active and passive fire protection systems installed.

Contact the instructor if you are a visually disabled student and need an alternative assignment.

Instructions for Using Adobe Express Tools (for Your Personal Research Project)

Online Discussion Attendance

Networking is extremely important for firefighters and fire service professionals at all levels. More than likely, each of you will only know each other by email addresses or ZOOM Meetings. So as the instructor, I added a Q&A Discussion Board called "Fire House Kitchen Table". It is available for student interaction with each other and will not be monitored, so you can ask and answer questions amongst each other. We will have some seasoned firefighters and fire professionals in the class, so it is a great place to network and ask questions of each other. Since I will not be monitoring the Fire House Kitchen Table, please be professional and polite. Since participation in online classes is important, we are going to have a group discussion every Unit using different tools. Discussions are so important that they are worth 20 points. There are posted questions to start the discussion, but you can comment on what you perceived or thought. Make sure you explain in detail your observation. Feedback is important so make sure to comment back to another student to receive the full 20 points.

Directions for Discussion Success:

Discussions will be shared throughout the class. You must take part in the discussion the week of the discussion according to the Unit dates for full credit. Students must supply a first post by Tuesday at 11:59 PM, provide a minimum of one comment to other student's posts by Thursday at 11:59 PM. Both the first post and additional posts must be at least

100 words or more. Your first post will be worth 15 points and your answer back will be worth 5 points.

I leave all discussions open during the class for students who wish to continue the dialogue, however the discussions are graded shortly after the week they are due according to the calendar of events.

There may be discussions that I ask for you to use Studio 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 Policy

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%

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](#)

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.

Student Resources

If you need any help or Student Resources please reach out. There is Online Students Services available for students that do not have computers or cannot afford internet services.

List of assignments

Note to students: To view all course content, go to the course Home Page.