



FIRT-1450-001IN-SP2022 (3430)
Fire Investigator
Time and Days of Course: Online
Skills Labs: As Per Course Schedule

Instructor Information:

Name: Marc Faber
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Phone: (713) 907-8256

Student Hours: Virtually by Appointment on Collaborate

Director Information:

Name: Danny McLerran
Email: dmclerran@com.edu
Phone: 409-933-8378

Student Hours:

Office Hours: 0900-1500
Location: PSC 110

Communicating with Your Instructor: All electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means. The instructor will respond to messages within 24 hours, with the exception of weekends or holidays.

Announcements: Upon opening the course, Blackboard will default to the Announcements page. This page will include announcements regarding any changes to the schedule, reminders of skills labs, major exams, TCFP course activities, and any other pertinent information regarding the course. It is extremely important that students review

announcements every time they enter the course.

Collaborate: Students may make an appointment to meet with the instructor virtually on Collaborate. Collaborate may be utilized to review curriculum, skill assignments, and exams. Scheduled sessions will be posted in Announcements. Students may access Collaborate from the Course Menu.

Blackboard Help: Should students have a difficulty with the Blackboard system, they must utilize the Help with Blackboard link on the Course Menu to obtain assistance, <http://com.parature.com/ics/support/default.asp?deptID=16028>.

Required Textbook: NFPA 921: Guide for Fire and Explosion Investigations, NFPA 921: Guide for Fire and Explosion Investigations (2021 ed.) Quincy, MA: National Fire Protection Association. NFPA Publications. ISBN-13: 978-1455926466

Recommended Resources

Certification Curriculum Manual, Chapter Five, Fire Investigator, 2014 Edition, Texas Commission on Fire Protection (provided in course).

NFPA 1033: Standard for Professional Qualifications for Fire Investigator 2014 Edition, National Fire Protection Association, NFPA Publications.

Fire Investigator: Principles and Practices Fourth Edition, Jones and Bartlett Learning.

Kirk's Fire Investigation, John DeHaan, Eighth Edition, Pearson Prentice Hall Publishing.

Fire Inspection and Code Enforcement, Eighth Edition, Stillwater, OK, Fire Protection Publications, International Fire Service Training Association (IFSTA).

Fire Investigation, First Edition, Delmar Publishing.

Course Description: This course meets curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Investigator Certification. Topics include competencies set forth in the TCFP Curriculum Manual, Chapter 5, Fire Investigator. Students successfully completing this course will be eligible to take the TCFP Certification Examination for Fire Investigator, provided they satisfy TCFP testing requirements. TCFP testing and certification fees are the responsibility of the student.

Student Learner Outcome: Upon successful completion of this course, students will demonstrate competencies set forth in the TCFP Curriculum Manual, Chapter 5, Fire Investigator.

Fire Investigator Competencies

1. Demonstrated the knowledge, skills and abilities necessary to conduct, coordinate, and complete a fire investigation.

2. Employ all the elements of the scientific method as the operating analytical process throughout an investigation.
3. Competently determine the origin and cause of a fire and master all the job competencies.
4. Perform requirements of NFPA 1033: Standard for Professional Qualifications for Fire Investigator.

Student Learner Outcome	Maps to Core Objective	Assessed via this Assignment
1. Scene Examination	Critical Thinking, Empirical/Quantitative Skills, Teamwork	Skills 1, 2, 3, 4, 5, 6, 7, and 8
2. Scene Documentation	Critical Thinking, Teamwork	Skills 9, 10, and 11
3. Evidence Collection/Preservation	Critical Thinking, Communication Skills, Teamwork	Skills 12, 13, and 14
4. Interviewing	Critical Thinking, Communication Skills, Personal Responsibility	Skills 15, 16, and 17
5. Post incident	Critical Thinking, Empirical/Quantitative Skills, Teamwork, Social Responsibility, Personal Responsibility	Skills 18, 19, 20, 21, and 22
6. Case Presentation	Critical Thinking, Communication Skills, Social Responsibility, Personal Responsibility	Skills 23, 24, and 25

Course Requirements: This is an Internet course with weekly study material and testing provided online through Blackboard. Additional skill exercises will be required as listed below. The student is expected to log into the course website two to three times per week to keep abreast of any changes or additional information. Notification of course changes will be through the Announcement section as well as e-mail.

Skills Labs: The course will include approximately 18 - 22 hours of skills exercises, during which the student will be exposed to hands-on instruction in fire investigative techniques. TCFP skill sheets will be used for evaluation, and the average of all exercises will count for 25% of the final grade. Exact dates and times for these exercises are noted in this syllabus.

In order to obtain a passing grade for this course, Skill Assignments must be completed regardless of whether or not students are seeking Fire Investigator certification with the TCFP. Skills Assignments are graded utilizing applicable TCFP Skill Evaluation Sheets, which are provided in the course.

Students must receive a satisfactory rating for all items on the Skills Evaluation Sheet.

Grades for skills are Pass or Fail, i.e., if one item of the skill is not completed successfully, the overall grade for the skill is Fail. Students must correct the item(s) and resubmit the skill to obtain a Pass grade. It is extremely important to review the skill sheet to ensure that each item of the skill has been satisfactorily addressed in your response.

Weekly Quizzes: There will be weekly chapter quizzes for the course. Each quiz will be available through the weekly content section of the course website and will cover the chapter material noted in this syllabus for that week. Quizzes are generally due on Mondays at 0800. An average of all quizzes will count for 25% of the final grade.

Major Exams: There will be three major exams given before the final exam. Each exam will cover the material through that week (i.e., Exam 1 covers all of the material through week four, Exam 2 covers the material from weeks five through eight). The Exams will be available in the same online format after the successful completion of the previous quizzes. The average of the Major Exams will count for 25 % of the final grade.

Final Exam: A comprehensive Final exam will be given at the end of the course. **The Final exam will be given on Monday, May 9, 2022.** The Final Exam will count for 25% of your final grade.

Note: In order to be eligible for the Final Exam, students must have successfully completed all assignments, i.e. Quizzes, Major Exams, and Skill Exercises.

Note: The TCFP requires Final Exams to be taken in person and proctored. Consequently, Final Exams will be taken in an assigned [computer lab](#), location to be announced. Dates for Final Exam are listed in the Course Outline/Schedule. The student is responsible for verifying the operating hours of the testing center prior to this date.

Determination of Course Grade: Students will be graded on an average of grades for each of the following categories. A grade of C or above is considered acceptable. Grades are not rounded up. **Note:** Grades are not rounded up.

Project	Grading Weight
Skill Exercises	25%
Weekly Exams	25%
Major Exams	25%
Final Exam	25%

Grading Scale

90 - 100 points = A
80 - 89 points = B
75 - 79 points = C
70 - 74 points = D
0 - 69 points = F

Attendance Policy: Students are required to login to the course at least weekly. Students failing to login to the course and progressively complete assignments may, after

notification, be dropped from the course.

Late/Makeup Policy: Chapter tests, skill assignments, and exams are generally due on Mondays at 0800. Students may submit tests, skills assignments, and exams after the due date and receive a grade. **However, grades for tests, skills assignments, and exams submitted after the due date and time will receive a maximum grade of 75%.**

Fire Investigator Schedule, SP22

Week	Topics	Assignments	Due Date
Week 1 1/18/22	Orientation, PSC119, 0900 NFPA 921, Chapters 1-3 Rules & Regulations, Definitions	C3 Test	1/19-21/22 1/24/22, 0800
Week 2 1/24/22	NFPA 921, Chapters 4-5 Basic Methodology, Basic Fire Science	C4, C5 Test	1/31/22, 0800
Week 3 1/31/22	NFPA 921, Chapters 6-7 Fire Patterns, Building Systems	C6, C7 Test	2/7/22, 0800
Week 4 2/7/22	NFPA 921, Chapters 8-9 Active Fire Protection Systems Electricity & Fire Exam 1, Chapters 3-9	C8, C9 Test Exam 1	2/14/22, 0800 2/14/22, 0800
Week 5 2/14/22	NFPA 921, Chapters 10-11 Building Fuel Gas Systems Fire-Related Human Behavior	C10, C11 Test	2/21/22, 0800
Week 6 2/21/22	NFPA 921, Chapters 12-13 Legal Considerations, Safety	C12, C13 Test	2/28/22, 0800
Week 7 2/28/22	NFPA 921, Chapters 14-15 Sources of Information Planning the Investigations	C14, C15 Test	3/7/22, 0800
	Spring Break, 3/9-15/21		
Week 8 3/7/22	NFPA 921, Chapters 16-17 Documentation of the Investigation Physical Evidence Exam 2, Chapters 10-17	C16, C17 Test Exam 2	3/14/22, 0800 3/21/22 0800
3/14/22	Spring Break		
Week 9 3/21/22	NFPA 921, Chapters 18-19 Origin Determination, Fire Cause Determination	C18, C19 Test	3/28/22, 0800
Week 10 3/28/22	NFPA 921, Chapters 21-21 Classification of Fire Cause Analyzing the Incident for Cause & Responsibility	C21, C21 Test	4/4/22, 0800
Week 11 4/4/22	NFPA 921, Chapters 22-23 Failure Analysis & Analytical Tools, Explosions	C22, C23 Test	4/11/22, 0800
Week 12 4/11/22	NFPA 921, Chapters 24-25 Incendiary Fires, Fire & Explosions Death & Injuries	C24, C25 Test Exam 3	4/18/22, 0800 4/18/22 0800

	Exam 3, Chapters 18-25		
	Skills Lab, LCDF		4/11-13/22, 0800
Week 13 4/18/22	NFPA 921, Chapters 26-27 Appliances, Motor Vehicle Fires Skill #4, Vehicle Fire Investigation	C26, C27 Test Skill#4	4/25/22, 0800
	Skills Lab, LCDF		4/18-20/22, 0800
Week 14 4/25/22	NFPA 921, Chapters 28-29 Wildfire Investigations Management of Complex Investigations	C28, 29 Test	5/2/22, 0800
	Skills Lab, LCDF		4/25-27/22, 0800
Week 15 5/2/22	NFPA 921, Chapter 30 Marine Fire Investigations	C30 Test	5/9/22, 0800
Week 16 5/9/22	Final Exam, Comprehensive Testing Center	Final Exam	5/9-11/22
	TCFP Designated Skills Test, PSC		5/11-13/22, 0900
	TCFP Fire Investigator Exam Schedule Online Exam with TCFP & Testing Center		

Academic Dishonesty: Any incident of academic policy will be dealt with in accordance with college policy and the Student Handbook. Academic dishonesty – such as cheating on exams is an extremely serious offense and will result in a grade of zero on that exam and the student will be referred to the Office of Student Conduct for the appropriate discipline action.

Student Concerns: If you have any questions, concerns, or issues about any aspect of this course, please contact the Lead Instructor, using the contact information previously provided. If after discussing your concern with the instructor, you continue to have questions, request a meeting through the Lead Instructor with the Director. If after your meeting with the Director, you still have questions, request a meeting through the Director with Dr. R. E. Davis, Public Service Careers Department Chair 409-933-8313 or rdavis29@com.edu.

Institutional Policies and Guidelines

Grade Appeal Process: Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook. https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf. *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and*

performance is also not an admissible basis for a grade appeal.

https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact Holly Bankston at 409-933-8520 or hbankston@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Counseling Statement: Any student needing counseling services is requested to please contact Holly Bankston in the student success center at 409-933-8520 or hbankston@com.edu. Counseling services are available on campus in the student center for free and students can also email counseling@com.edu to set up their appointment. Appointments are strongly encouraged; however, some concerns may be addressed on a walk-in basis.

Textbook Purchasing Statement: A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy: Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 8-week session is October 6. The last date to withdraw from the 16-week session is November 19. The last date to withdraw for the 2nd 8-week session is December 2.

F_N Grading: The F_N grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The F_N grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the F_N grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an F_N grade.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

COVID-19 Statement: All students, faculty, and staff are expected to familiarize

themselves with materials and information contained on the College of the Mainland's Coronavirus Information site at www.com.edu/coronavirus. In compliance with Governor Abbott's May 18 Executive Order, face coverings/masks will no longer be required on COM campus. Protocols and college signage are being updated. We will no longer enforce any COM protocol that requires face coverings. We continue to encourage all members of the COM community to distance when possible, use hygiene measures, and get vaccinated to protect against COVID-19. Please visit com.edu/coronavirus for future updates.