



**OSHT 1321-201C3
Fire Protection Systems
Fall 2024**

Thursdays 6:00 pm to 8:50 pm

Instructor: Dr. George Njoku
Email: gnjoku@com.edu
Office Phone: (409) 933-8152

OSHT Department Administrative Assistant:
Patricia England
Email: pengland@com.edu
Office Phone: (409) 933-8536

Student hours and location:

Student Office Hours:

Monday – 3:00 pm to 5:30 PM

Tuesday's & Wednesday - 3:00 pm to 5:30 pm

All other times by appointment

Required Textbook:

Fundamentals of Fire Protection for the Safety Professional

By Lon H. Ferguson, CSP, CFPS and Christopher A. Janicak, CSP, CEA, ARM

Publisher – Bernan Press – 2nd Edition

ISBN # 978-1-59888-711-2

Course Description: : Study of fire protection systems and their applications with emphasis on fire prevention codes and standards.

Upon successful completion of this course, students will:

1. Explain the elements of fire chemistry theory.
2. Summarize fire prevention and protection methods and describe appropriate application of each fire protection method.
3. Identify the applicable codes and standards in the industrial/business environment.

Course requirements (including description of any special projects or assignments):

Examinations: One comprehensive final exam will be given at the end of this course. The exam will be closed book. Exams must be taken at the designated time unless prior arrangements have been made with the professor. Students who do not complete the exam on time and have not made previous arrangements will not be allowed to make up an exam and will receive the grade of “0” (zero).

Project Report: Each student is required to write one report. Topics and specific instructions for the report will be provided by the instructor.

Homework/Discussion Questions: There are two (2) homework assignments to be individually completed. Failure to turn in a required homework at the prescribed time will result in zero “0” points awarded for the assignment unless prior arrangements are made with the instructor.

Quizzes: There will be five (5) quizzes assigned for this class. These quizzes will be part of the review and preparation for the final exam. Failure to complete the required quiz at the prescribed time will result in zero “0” points awarded unless prior arrangements are made with the instructor.

Determination of Course Grade/Detailed Grading Formula

Grading Scale:

- 90 – 100% = A
- 80 – 89% = B
- 70 – 79% = C
- 60 – 69% = D
- Below 60% = F

Grading Distribution:

- | | |
|---|------------|
| 1. Final Examination | 100 points |
| 3. Homework 1 NIMS 100 Certificate | 100 points |
| 2. Quizzes (5 @ 20 points each) | 100 points |
| 3. Homework 2 NIMS -200 Certificate | 100 points |
| 4. Course Participation (14 @ 5 points each) | 70 points |

TOTAL

470 points

Late Work, Make-Up, and Extra Credit Policy:

There is no make-up opportunity for this course. Tests and quizzes must be taken at the time and date noted unless prior arrangements are made with the instructor. Late work will not be accepted unless prior arrangements are made with the instructor. Any approved make-up exam must be taken at the testing center. Testing Center can be reached at testingcenter@com.edu or 409-933-8676. Final examination must be taken at the designated time.

Attendance Policy: Students at the College of the Mainland are expected to punctually attend every session of all classes for which they are registered. You will be required to sign in at each class. If you are absent, you will still be held responsible for the materials that were covered in the class. You will be dropped from this class if you are absent from class four (4) times. If you must be absent, please contact the instructor.

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. (Faculty may add additional statement requiring monitoring and communication expectations via Blackboard or other LMS).

Student Learner Outcome	Maps to Core Objective	Assessed via this Assignment
SLO #1	Social Responsibility	Homework
SLO #2	Critical Thinking	Homework & Quizzes
SLO #3	Empirical & Quantitative Skills	Final Exam
SLO #4	Social Responsibility	Discussion

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 appropriate discipline action.

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions or concerns please contact Derrick Lewis, Department Chair at 409-933-8607 or email dlewis22@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://www.com.edu/student-services/docs/Student_Handbook_2024-2025_v2.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.*

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:

Kimberly Lachney, Student Accessibility Services Coordinator

Phone: 409-933-8919

Email: AccessibilityServices@com.edu

Location: COM Doyle Family Administration Building, Student Success Center

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 2. The last date to withdraw from the 16-week session is November 15. The last date to withdraw for the 2nd 8-week session is November 26.

FN Grading: The FN grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The FN 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 FN grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an FN 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.

Resources to Help with Stress:

If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here <https://www.com.edu/community-resource-center/>. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.

Nondiscrimination Statement:

The College District prohibits discrimination, including harassment, against any individual on the basis of race, color, religion, national origin, age, veteran status, disability, sex, sexual orientation, gender (including gender identity and gender expression), or any other basis prohibited by law. Retaliation against anyone involved in the complaint process is a violation of College District policy.

Course outline:

16 Week Course Calendar OSH 1321 Fall 2024

#	Date	Topic (Chapter Number)	Assignment Due NEXT Class
1	8/22/24	Introduction & Syllabus & NIMS	Read Chapter 1
2	8/29/24	Introduction to Industrial Fire Protection	Read Chapter 2
3	9/05/24	Chemistry and Physics of Fire.	Read Chapter 3.
4	9/12/24	Common and Special Hazards.	Read Chapter 4
5	9/19/24	NIMS 100. Homework 1 Assigned. Quiz 1	Read Chapter 5
6	9/26/24	Mechanical & Chemical Explosions	Read Chapter 6
7	10/03/24	Building construction.	Read Chapter 7.
8	10/10/24	Life Safety in Buildings. NIMS 100 Certificate Due ** Quiz 2	NIMS Certificate 10/10/21 Due at 11:59 pm
9	10/17/24	Hazardous Processes.	Read Chapter 8
10	10/24/24	Alarm and Detection Systems.	Read Chapter 9.
11	10/31/24	NIMS 200. Homework 2 Assigned. Quiz 3	Read Chapter 10
12	11/7/24	Fire Extinguishment with Hands On	Read Chapter 10
13	11/14/24	Fire Program Management. Quiz 4	Read Chapter
14	11/21/24	Thanksgiving Day No Class	
15	11/28/24	NFPA Fire Codes & Fire Prevention Planning. Quiz 5	NIMS 200 Certificate Due
16	12/5/24	Final Exam. Course Evaluation.	Course Evaluation Due

***The syllabus is subject to change at the discretion of the instructor.**