

**OXNARD COLLEGE FIRE TECHNOLOGY**  
**FT R (161) Building Construction for Fire Protection**  
**Fall 2020**

**FT R (161)**

**Class Section Number: 31100**

**Instructor: David Kromka**

**OFFICE HOURS(Conferzoom)Wednesdays : 3:00PM to 3:45 pm**

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**TEXT:** The required text for the course is IFSTA's **Building Construction Related to the Fire Service**, 4<sup>rd</sup> edition. Also, each student is required to have IFSTA's **Building Construction Related to the Fire Service Course Student Workbook**.

**COURSE OBJECTIVES:** Upon successful completion of this course, the student should be able to:

1. Describe building construction as it relates to firefighter safety, buildings codes, fire prevention, code inspection, firefighting strategy, and tactics.
2. Classify major types of building construction in accordance with a local/model building code.
3. Analyze the hazards and tactical considerations associated with the various types of building construction.
4. Explain the different loads and stresses that are placed on a building and their interrelationships.
5. Identify the function of each principle structural component in typical building design.
6. Differentiate between fire resistances, flame spread, and describe the testing procedures used to establish ratings for each.
7. Classify occupancy designations of the building code.
8. Identify the indicators of potential structural failure as they relate to firefighter safety.
9. Identify the role of GIS as it relates to building construction.

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**STUDENT LEARNING OUTCOMES:**

- a) The student will identify the common building types
- b) The student will identify the definitions of building components and materials
- c) The student will describe the effects that fire has on building stability

1. **CATALOG DESCRIPTION:** This course will review and discuss the different types of buildings and how they relate to the fire service. Field trips may be required.

2. **GRADES:** 100 % to 90 % = A  
89 % to 80 % = B  
79 % to 70 % = C  
69 % to 60 % = D  
59 % to 50 % = F

Refer to canvas to track your scores

There are a total of 250 points available in the course. Here are the points break down

Quizzes 10 points each 16 (160 points)

Midterm 50 points

Final 50

Assignments 10 points each 7 (70 points)

Discussions 5 points each 17 (85 points)

3. **Assignments ,quizzes,tests and discussions:** All class work must be completed in the assigned time period. There is not extentions for missed tasks

4. **ATTENDANCE:** Lack of participation in discussions. Failing to complete assignments and missed quizzes may cause the student to be dropped from the class. My rule is more than 2 missed tasks will cause you to be dropped.

**Plagiarism** will not be tolerated. Any evidence of cheating will result in referring your name to the college administration for disciplinary action. This could result in you failing

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this class or suspended from the college, or BOTH!

**Statement of Reasonable Accommodation:**

Oxnard College faculty members fully support the Americans with Disabilities Act (ADA), Title 5, Section 508, and the Rehab. Act of 1973. Members of the faculty will provide reasonable accommodation to any student with a disability who is registered with the Educational Assistance Center (EAC) who needs and requests accommodation. Faculty may wish to contact the EAC to verify the presence of a disability and confirm that accommodation is necessary. EAC will arrange and provide for the accommodation. Reasonable accommodation may involve allowing a student to use an interpreter, note taker, or reader; accommodation may be needed during class sessions and for administration of examinations. The intent of the ADA in requiring consideration of reasonable accommodation is not to give a particular student an unfair advantage over other students, but simply to allow a student with a disability to have an equal opportunity to be successful.

**Students with learning disabilities:** For student assistance and/or to be evaluated, please contact OC Educational Assistance Center at 986-5830.

Students who leave the class are expected to follow the appropriate drop procedure. Students who drop the course but who do not formally withdraw and complete the appropriate drop procedures may expect to receive an "F" grade for the course.

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Fall Calendar 2020

|        |    |  |
|--------|----|--|
| August | 19 | Introduction to class, class expectations, |
|        | 26 | Chapter 1                                  |
| Sept.  | 2  | Chapter 2.                                 |
|        | 9  | Chapter 3                                  |
|        | 16 | Chapter 4                                  |
|        | 23 | Chapter 5                                  |
|        | 30 | Chapter 6                                  |
| Oct    | 7  | Chapter 7                                  |
|        | 14 | Midterm test                               |
|        | 21 | Chapter 8                                  |
|        | 28 | Chapter 9                                  |
| Nov    | 4  | Chapter 10                                 |
|        | 11 | <b><u>Veterans day No class</u></b>        |
|        | 18 | Quiz review Chapter 11                     |
|        | 25 | Chapter 12                                 |
| Dec.   | 2  | Chapter 13                                 |
|        | 9  | Chapter 14                                 |
|        | 16 | Final                                      |

There will be a quiz at the end of each week's session. Test and Quizzes will be available at 8 am on Tuesdays  
All of each weeks work must be completed by Sunday at 1159 pm  
(Sunday Night)