



**Palm Beach Community College
Course Syllabus – Classroom Courses**

General Class and Course Information

Course number: FFP 2120 Class Reference Number: 132458 Term: 1010-1

Course title: Building Construction Credit/Contact hours: 3

Course Description: This course addresses the fundamentals of building construction and design, fire protection features and special considerations for fire inspection and suppression personnel.

Course Learning Outcomes: As a result of taking this course, the student will be able to

- Identify the types of building classifications and construction types.
- Describe various types of loads and forces buildings are subject to.
- Define and demonstrate the relationship of building components and structural parts and their effect on fire propagation and ensure penetration and/or control.
- Describe different types of fire protection such as sprinkler systems, standpipes, and other means of protecting buildings from fire.

Methods of Assessment:

- Objective Tests
- Group Participation
- Comprehensive Final Exam

Full Course Outline: Click on the following link: http://www.pbcc.edu/Documents/Course_Outlines/f/FFP2120.pdf

Class Schedule

PBCFR "B" shift, November 7*, 10, 13, 16, 19, December 1, 4, 7, 10, 16, 2009

Weekdays, 1800 - 2200, *Saturdays, 0830 - 1230 Room #SCA-140

Textbook(s) Information: Building Construction for the Fire Services (Brannigan 4th Edition) ISBN 978-0-7637-4494-6

Web Content Information: N/A

Professor's Contact Information

Professor's Name: Mark Davis

Office Location: N/A

Telephone: (561) 310-7305

Email address: davisma@pbcc.edu

Home Page: <http://www.pbcc.edu/x461.xml?id=Davisma>

Office Hours: N/A

Class Requirements

Assignments :

Session 1 - Introductions and Course Overview

Chapter 1 – Introduction

Chapter 2 – Concepts of Construction

Session 2 – Quiz #1 – Chapters 1 and 2

Chapter 3 – Methods and Materials of Construction, Renovation, and Demolition



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Chapter 4 – Building and Fire Codes

Session 3 – Field Trip – Deerfield Station and Hurricane House

Session 4 - Quiz #2 – Chapters 3 and 4

Chapter 5 – Features of Fire Protection

Session 5 - Quiz #3 – Chapter 5

Chapter 6 – Wood Frame Construction

Chapter 7 – Heavy Timber and Mill Construction

Mid-Term Review

Session 6 - Mid-Term

Post Mid-Term Review

Chapter 8 – Ordinary Construction

Session 7 - Quiz #4 – Chapter 8

Chapter 9 – Noncombustible Construction

Chapter 10 – Fire-Resistive Construction

Session 8 - Quiz #5 – Chapters 9 and 10

Chapter 11 – Specific Occupancy Details and Hazards

Chapter 12 – Collapse

Session 9 - Vocabulary Test (50 Vocabulary Words – Matching)

Final Review

Session 10 - Final Examination

Post Final Review

Certificates and Grades

Late Assignment Policy: CNo late assignments are allowed. Students can make arrangements with instructor prior to exam assignment date.

Grading Scale and Policy: ll students must maintain an average grade of 70% on all quizzes to pass this course. A grade of at least 70% is required to pass the mid-term examination, the final examination, and the course. The final exam grade will become the final grade of the course, and will be expressed as follows:

Percentage	Grade
93 – 100	A
85 – 92	B
78 – 84	C
70 – 77	D
<70	F

Students in this course may be taking this course:

for college credit; in preparation for the Florida Fire Inspector examination; as continuing education for re-certification as a fire inspector.

All students in this course are required to successfully complete all course homework, projects (including a term paper), and examinations, regardless of their reason for taking the course.



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Tests, Quizzes, and Final Examination Schedule: Quizzes are 10% of final grade, Class project is 15% of final grade Midterm is 25% of final grade, Final exam is 50% of final grade.

Make-up Exam Policy: No make-up exams allowed.

Class Policies and Methodology

Attendance: Professors are required to take attendance. Students are expected to attend all courses and course activities for which they are registered. Any class meeting missed, regardless of cause, reduces the opportunity of learning and may adversely affect a student's achievement in the course. Students are required to attend at least 90% of the total class hours in order to receive credit for the course. An accurate record of attendance will be kept for each course. If a student misses one-fourth or more of a class session, the student will be counted absent. Being tardy 3 times will count as one absence. Leaving early will be treated the same as being tardy.

Electronic Device Use: Laptops are allowed in class. Cell phones and cameras will not be allowed during class time.

Email Policy: Email instructor at davisma@pbcc.edu

Equipment and Supplies: No special equipment or supplies required for this class.

Professor's Expectations: Students are expected to be involved in class discussions. Students are expected to attend all classes and field trips. Students should contact instructor prior to missing a class.

Methods of Instruction: Lectures, videos, field trips, hands-on learning and class discussions will help meet all objectives of this course.

Unique Requirements of the Class: Dress for students in the classroom setting shall be business casual (no shorts, t-shirts, or open-toe shoes). T-shirts will be permitted in the field setting at the instructor's discretion. Hats may not be worn inside the building, and if worn outdoors must be worn properly (ball caps facing forward not sideways or backward, etc.) Students will not be allowed to continue in the class until dressed appropriately. Eating and drinking are confined to the cafeteria and break areas. No food or drink allowed in the classroom, with the exception of water. Smoking is not permitted in any College building and will be allowed only in the parking lot.

College Policies and Web Information

Academic Dishonesty

Academic dishonesty includes the following actions, as well as other similar conduct aimed at making false representation with respect to the student's academic performance:

(1) Cheating on an exam, (2) Collaborating with others on work to be presented, if contrary to the stated rules of the course, (3) Submitting, if contrary to the rules of the course, work previously submitted in another course, (4) Knowingly and intentionally assisting another student in any of the above actions, including assistance in an arrangement whereby work, classroom performance, examination, or other activity is submitted or performed by a person other than the student under whose name the work is submitted or performed, (5) Plagiarism.

Please refer to the **Palm Beach Community College Student Handbook**

(www.pbcc.edu/Documents/Marketing/studenthandbook.pdf) for further information.

Classroom Etiquette and Student Behavior Guidelines

Students will demonstrate respect for professors and fellow students. Behavior that is disruptive to a positive learning environment reported by the professor will result in a warning on the first instance; the second instance might result in expulsion from the course or campus.

Computer Competency Component



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Each student will, to the satisfaction of the professor, demonstrate a fundamental understanding of basic computer operations through various professor-determined exercises and/or assignments.

Disability Support Services

Students with disabilities are advised, in compliance with federal and state laws, that accommodations and services are available through the office of Disability Support Services (DSS). It is the student's responsibility to contact Disabled Student Services Advisors and to submit appropriate documentation prior to receiving services. Please see the website at www.pbcc.edu/disabilities.xml.

Eating, Drinking and Smoking

Eating and drinking are confined to areas designated on the campus. Smoking is not permitted in any College building and only in areas designated at each campus.

Student Responsibility Policy

When a student attends the College, s/he becomes subject to its jurisdiction. Students are expected to conduct themselves in a responsible manner, in all areas of campus life. By enrolling, they pledge to obey the rules and regulations of the College and are responsible for observing all College policies and procedures as published in the student handbook, the College catalog and other College publications. The student will be responsible for preparing for class, participating in class, and completing assignments on time.

PBCC Websites of Interest

Please see this web page (www.pbcc.edu/x340.xml) for a list of web addresses for students.

Withdrawal Policy for Individual Courses

The last day to withdraw from a College course with a "W" grade in this course is December 4, 2009. It is the responsibility of the student to use the PantherWeb system or visit a campus Registrar's office to withdraw. An official withdrawal entitles the student to a grade of "W" in the class.

Department Contact Information

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