Bergen Community College
Division of Math, Science and Technology
Department of Industrial & Design Technology

Course Syllabus
DFT 266 Materials & Methods of Construction

Semester and year:
Course Number:
Meeting Times and Locations:

Instructor:
Office Location:
Phone:
Office Hours:
Email Address:

COURSE DESCRIPTION:

DFT 266 Materials and Methods of Construction introduces and discusses the construction process and its role in architecture and design. The course discusses major building component systems and methods. Structural design theory is also explored.
2 lectures, 2 labs, 3 credits
Prerequisites: DFT 262 Architectural Drafting
Co-requisites: None

STUDENT LEARNING OBJECTIVES:

As a result of meeting the requirements in this course, students will be able to:	Student performance on these objectives will be measured by:
1. Describe the elements of structural design theory in the construction process.	Completion of structural design problems.
2. Identify structural components of steel, concrete, masonry and wood building systems.	Completion of worksheets as both in-class lab and homework.
3. Recognize various construction techniques and requirements used in commercial construction.	Drawing quizzes and examinations.

COURSE CONTENT:

TOPIC	CHAPTER
Wood, lumber, timber	3,4,5,6
Masonry	8,9,10
Steel	11,12
Concrete	13,14,15
Roofing	16
Glass and glazing	17
Doors and windows	18

TEXTBOOK:

Fundamentals of Building Construction, Allen, Edward, John Wiley & Sons, 2004, 4th edition.

Exercises in Building Construction, Allen, Edward, John Wiley & Sons, 2004, 4th edition

EVALUATION:

Midterm Exam	30%
Final Exam.	30%
Work sheets and detail drafting	30%
Participation	10%
TOTAL	100%

Drawings are due the class meeting after they are assigned. Drawings submitted after that date will be lowered one full letter grade per class meeting that they are late. Drawings will not be accepted after the final submission date listed in the calendar and will receive a failing grade after that last submission date.

ATTENDANCE POLICY:

Attendance will be taken twice during each class period. The first attendance for the lecture portion of the class will be at the beginning of each class. The second attendance, for the laboratory portion of the class will be taken at 11:30 a.m. for classes beginning in the morning, 5:15 p.m. for classes beginning early afternoon, and 9:45 p.m. for evening classes.

If a student is absent from the lecture portion of the class, it will be recorded as an absence for the entire class period. If a student is absent from the laboratory portion of the class, it will be recorded as an absence from that portion of the class only.

A letter grade will be deducted from the class participation portion of your final grade for each absence beyond three absences from either portion of a class period.

SPECIAL NOTES:

A final grade cannot be assigned for the course until all drawings, projects and examinations for the course have been completed.

Make-up examinations will be administered in accordance with the instructor's and division's policy.

FACULTY ABSENCE PROCEDURE: Please note well.

A daily listing will appear in the glass case located in the main hall A bldg. which will indicate all classes which are cancelled. Students can consult this case before going to class. If students find a class cancelled which has not been listed, they should report this to the divisional dean's office (A325) or to the evening/Saturday office (L113).

CALENDAR:

Class Meeting	Date	Topic	Chapter
1.	_____	Basic structural design	Handouts
2.	_____	Basic structural design	Handouts
3.	_____	Steel	11,12
4.	_____	Steel	11,12
5.	_____	Concrete	13,14,15
6.	_____	Concrete	13,14,15
7.	_____	Masonry	8,9,10
8.	_____	Masonry	8,9,10
9.	_____	Midterm exam	
10.	_____	Wood, lumber, timber	3,4,5,6
11.	_____	Wood, lumber, timber	3,4,5,6
12.	_____	Doors and windows	18
13.	_____	Glass and glazing	17
14.	_____	Roofing	16
15	_____	Final exam	

All BCC students enrolled in credit courses are entitled to a WebAdvisor account. With WebAdvisor, you may register online, check your schedule, room assignments, GPA, and find out what courses you need to take. To find out more about WebAdvisor or to sign up online, visit <http://go.bergen.edu>! While there, please make sure you give us your preferred email address. You'll find directions how to do this at <http://go.bergen.edu/email>.