

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

Course Syllabus
DFT 262 Architectural Drafting

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

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

COURSE DESCRIPTION:

DFT 262 Architectural Drafting will provide the student with a basic comprehensive study of the field of Residential Architectural Drafting with emphasis on residential construction principles, planning, and specifications. Students will design a residential structure and will prepare a complete set of specifications and construction drawings.

2 lectures, 2 labs, 3 credits

Prerequisites: DFT-207 and DFT-208

Co-requisite: DFT-265

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. Identify the basic principles of residential construction.	Drawing exercises and Final construction documents of residential design.
2. Recall the basic structural requirements in residential architecture.	Drawing exercises and Final construction documents of residential design.
3. Explain related considerations such as cost estimate and foundation footing calculations.	Drawing exercises and Final construction documents of residential design.
4. Develop industry compliant residential construction documents using CAD software from an approved design.	Drawing exercises and Final construction documents of residential design.

COURSE CONTENT:

CHAPTER

TOPIC

- | | |
|---|-------------------|
| 1 | The Building Site |
| 2 | The Building |
| 3 | Foundation System |
| 4 | Floor Systems |
| 5 | Wall Systems |

6	Roof Systems
7	Thermal & Moisture Protection
8	Doors & Windows
9	Special Construction

TEXTBOOK: Building Construction Illustrated – Ching, 4TH edition, 2008, John Wiley & Sons

Design Requirements:

The design requirements for this course will be stated in the co-requisite course DFT265, Architectural Practice and Planning. The content of each course will be coordinated so that the design and planning will be in progress in DFT265 while you are considering the structural aspects in this course. As you then proceed to complete the working drawings in this course, you will be considering related architectural practices in DFT265.

Presentation:

Your final presentation must include the following:

- a) Binding - All prints are to be stapled together at the left border with binding in the order listed below:

Foundation Plan	Side Elevations
Floor Plan(s)	Rear Elevation
Roof Plan	Sections and Details
Front Elevation	Extra Drawings

- b) Drawing Submission:

All complete bound sets must be submitted by 9 pm on class meeting #14 (see calendar). No exceptions for late or partial submissions will be made.

EVALUATION:

Quizzes	10%
Class Assignments	20%
Preliminary Plans and Sketches	10%
Construction Drawings	50%
Class Participation/Attendance	10%
	100%

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).

COURSE CALENDAR:

<u>Class</u>	<u>Date</u>	<u>Topic:</u>
<u>Mtg.</u>	<u>due:</u>	
1	_____	Course / Project Review, Site Analysis, Design Process Video- #1, Read Chapter 1.
2	_____	Site Plan / Floor Plan & Video - #2, <u>Site Plan Assignment</u> , Research Vacation Homes.
3	_____	Building & Foundation Systems & Video - #5, <u>Foundation Plan Ass.</u> Read Chapter 2 & 3.
4	_____	Floor, Wall & Roof Systems, <u>Floor Plan Assignment</u> , Read Chapter 4, 5 & 6.
5	_____	Elevations & Video - #4, <u>Elevation Assignment</u> & Elevation Video Presentation
6	_____	Framing Plans & Video #6, <u>Section Assignments 1 & 2.</u> Read Chapter 7
7	_____	Individual Lab Instruction. Preliminary Floor Plans (final draft due) Read Chapter 8
8	_____	Wall Sections, Details & Video - #7, <u>Section Assignments 2 & 3.</u>
9	_____	Individual Lab Instruction – Solar Power Video Presentation, Read Chapter 9
10	_____	Individual Lab Instruction – Wind Power Video Presentation, <u>Foundation Plan(s) due</u>
11	_____	Individual Lab Instruction, Presentation Drawings Video - #8, <u>Floor Plan(s) due</u>
12	_____	Individual Laboratory Instruction - <u>Elevations due</u>
13	_____	Individual Laboratory Instruction
14	_____	<u>Last Date to Submit Drawings (submitted by 9 pm)</u>
15	_____	Evaluation of Final Construction Documents

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>.