

**Bergen Community College**  
**Division of Math, Science and Technology**  
**Department of Computer Science, Engineering & Information Technologies**

**Course Syllabus**  
**DFT 107 Drafting I**

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

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

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**COURSE DESCRIPTION:**

DFT 107 Drafting I is a study of drafting theory and development of drafting skills with an emphasis placed on terminology and procedures used in multiview projection, sectional views, dimensioning, and pictorial drawing, computer aided drafting, and architectural drawing.

2 lecture, 2 labs, 3 credits

Prerequisites: None

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. Identify various drawing scale factors using drafting scales to read and draw mechanical and architectural shapes and drawings.	Drawing exercises.
2. Demonstrate mechanical drafting standards by producing complete multiview drawings.	Drawing exercises and worksheet problems.
3. Demonstrate mechanical and architectural dimensioning practices by reading existing as well as producing new drawings.	Drawing exercises and exam questions.
4. Recognize various drafting views through improved conceptualization skills.	Worksheets and exam drawings.

COURSE CONTENT:

CHAPTER

TOPIC

1. Drafting: Your Career, Your Future
2. Sketching and lettering
3. Use and care of drafting equipment
4. Basic Drafting techniques
5. Geometry for technical drawing
6. Multi-view drawing
7. Dimensioning
8. Sectional views and conventions
12. Pictorial drawings
18. Architectural and structural drafting

TEXTBOOK:



Fundamentals of Modern Drafting, Second Edition.  
 Cengage Learning, Paul Ross Wallach 2014  
 ISBN:978-1-133-60362-7

ADDITIONAL REQUIREMENTS:

Drafting Kit – see handout for details and cost.  
 Drawing Paper – 9 x 12 Custom Pad from bookstore.

EVALUATION:

A. Drawing Assignments . . . . .	70%
B. Final Examination. . . . .	20%
C. Class 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:

<u>Class Meeting</u>	<u>Date</u>	<u>Topic</u>	<u>Chapter</u>
1.	_____	Lettering and sketching	1, 2
2.	_____	Multiview projection – use of instruments, line types, projection methods	4, 5
3.	_____	Multiview projection – scaling, center lines	4, 5
4.	_____	Multiview projection – dimensioning	6, 7
5.	_____	Sectional views	8
6.	_____	AutoSketch 1	
7.	_____	AutoSketch 2 <b><u>(Last date to submit Late multiviews and sketching drawings)</u></b>	
8.	_____	Pictorial drawing – Oblique	12
9.	_____	Pictorial drawing – Isometric	12
10.	_____	Pictorial drawings – 1 Point Perspective	12
11.	_____	<b><u>OPEN LAB last date to submit Late sectional, CAD, oblique, isometric</u></b>	
12.	_____	Architectural drawing – Floor plans	18
13.	_____	Architectural drawing – Elevations Review for Final Exam	
14.	_____	Final examination	
15.	_____	<b><u>Last date to submit Late perspective &amp; architectural drawings</u></b>	

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>.