

**Advanced Drafting  
DFT -1201-01  
Spring 2009**

**Instructor: Mary Smith**  
**Office: C105B**  
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**Meeting Times:**

**Lecture: Tuesday 6:00pm – 7:50pm**

**Lab: Tuesday 8:05pm – 9:30pm**

**Text:** Modern Graphic Communications, 3<sup>rd</sup> Edition, Giesecke

**Required Materials:** .6mm Mechanical Pencil, .3mm Mechanical Pencil, Scale, Compass, Dividers, Triangles, Protractor, Lettering Guide, Circle template, Ellipse template, Eraser Shield.

**Course Description:** A continuation of basic mechanical drafting including advanced multi-view principles with advanced applications of dimensioning and tolerancing. A study will be made of the requirements for working drawings including detailing and assembly drawings. Both the customary and the metric system of measurement will be used. Lecture, four hours per week; lab, four hours per week.

**Attendance is Required:** A student will be dropped after six unexcused absences. Roll will be taken at each session. **Five extra credit points will be given to a student's final grade for perfect attendance.**

**Assessment:** Students will be assessed with four tests and a final on their understanding of the vocabulary and standards for the industry. Lab assignments will be used to assess the students understanding of dimensioning practices, tolerancing standards, specification of fasteners, and the creation of assembly drawings. The final grade of the student will be the sum of 40% of their lab assignments, 35% of their test average and 25% of their grade on the final.

**Plagerism / Dishonesty Policy:** It is permissible to assist students with laboratory assignments. Any instances of cheating on tests or the Final Exam will result in disciplinary action.

**Drop Policy:** Students wishing to drop the class will have to initiate the procedure. The instructor will not drop a student without student verification, unless student misses more than five classes. At the semester end, if a student has not dropped and has not completed the course requirements, a grade of F will be given. Final drop date is usually about the 12th week. Please check with your counselor before dropping as it may affect your **Financial Aid** status

**Special Needs:** If you are a student with a documented cognitive, physical or psychiatric disability you *may* be eligible for academic support services such as extended test time, texts on

disc, notetaking services, etc... If you are interested in learning if you can receive these academic support services, please contact either Tina Hardy ([tina\\_hardy@ivcc.edu](mailto:tina_hardy@ivcc.edu), or 224-0284) or Judy Mika (224-0350), or stop by the Disability Services Office in B-204.

### Schedule of Assignments

<b>DFT-1201 Spring 2009</b>			
<b>Week</b>	<b>Topic</b>	<b>Reading Assignment</b>	<b>Lab Assignments</b>
21Jan	Dimensioning (Chapter 9)	Pages 282 - 303	Plates 45, & 47, & Handout 52
28-Jan	Dimensioning (Chapter 9)	Pages 304 - 324	Plates 48, & 50, Handout 54
4-Feb	Design, Processes and Drawing (Chapter 10)	Pages 336 - 350	Review questions, page 358
11- Feb	Design, Processes and Drawing (Chapter 10)	Pages 350 - 358	Welding symbol handout, & handout 45
18 -Feb	Test / Tolerancing	n.a.	Open Lab
25 -Feb	Tolerancing	Pages 360 -369	Plate 52, Handouts 38& 58
4- March	Tolerancing	Pages 369 - 372	Plate 53, Handouts 60, 61, &62,
11- March	Threads, Fasteners, and Springs	Pages 394 -428	Plate 54, &55
18 -Mar	Threads, Fasteners, and Springs	Pages 372 - 388	Plate 56 & 57
25 -Mar	<b>Spring Break</b>		
1-April	Review of Chapters 11 and 12/ Test	n.a.	Study Guide/ Open Lab
8 -Apr	Working Drawings	Pages 445 - 452	Handout #65 (Design Problem)
15 -Apr	Working Drawings	n.a.	Handout #65 (Design Problem)
22 -Apr	Review / Test #3	n.a.	Study guide/ Open Lab
29 -Apr	Review	n.a.	T.B.A
6 -May	Final Exam	n.a.	n.a

**Note: The schedule, and assignments may be changed by the Instructor.**

