Electronics Drafting
CAD 1203
Spring 2010

Instructor: Mary Smith
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Text: Electronics Drafting ('01 Revision), Frostad, Goodheart-Wilcox ISBN # 1566378583)

Meeting Times:

Section 300
Lecture: Monday 4:00pm – 4:50
Lab: Monday 5:00pm – 6:40pm

Section 301
Lecture: Monday 7:00pm – 7:50
Lab: Monday 8:00pm – 9:40pm

Course Description: A course in techniques and general drafting with major emphasis on pictorial
drawing, device symbol production drawings, flow and schematic diagrams, printed circuits,
miniaturization, industrial controls, and graphic representation. Lecture, one hour per week; lab, two
hours per week.

Attendance is Required: A student will be dropped after five 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 three 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 the industry standards that pertain to electronic drafting. The final grade of the
student will be the sum of 35% of their lab assignments, 35% of their test average and 30% of their
grade on the final.

Grading Scale:
100 - 90 A
89 - 80 B
79 - 70 C
69 - 60 D
59 - 0 F

Classroom Policies: Students are expected to respect others and the classroom setting. Please refer
to the Student Code of Conduct as outlined in the Student Handbook

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 April 14, 2010. 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, or 224-0284) or Judy Mika (224-0350), or stop by the Disability Services Office in B-204.

Schedule of Assignments:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Reading</th>
<th>Assignments</th>
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<tbody>
<tr>
<td>January 25</td>
<td>Electronic Drafting/ Block and Single Line Flow Diagrams</td>
<td>Pages 7 - 24</td>
<td>Page 29, Chapter 2- Activity 2</td>
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<tr>
<td>February 1</td>
<td>Electronic Symbols, Components and References</td>
<td>Pages 25 - 41</td>
<td>Pg 29, Review Questions, Activity 4</td>
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<tr>
<td>February 8</td>
<td>Electronic Symbols, Components and References</td>
<td>Pages 41 - 60</td>
<td>Chapter 3, Activities 1 - 3</td>
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<td>February 15</td>
<td>President’s Day/ College Closed</td>
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<td>February 22</td>
<td>Review / Test 1</td>
<td>n.a.</td>
<td>Open Lab</td>
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<td>March 1</td>
<td>Schematic and Logic Diagrams</td>
<td>Pages 63 - 70</td>
<td>Page 78, Review Questions</td>
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<td>March 15</td>
<td>Schematic and Logic Diagrams</td>
<td>Pages 70 - 82</td>
<td>Chapter 4, Activity 8</td>
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<td>March 22</td>
<td>Spring Break - No Classes</td>
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<td>March 29</td>
<td>Wiring Diagrams</td>
<td>Pages 83 -99</td>
<td>Chapter 5, Activity 3</td>
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<td>April 5</td>
<td>Printed Circuitry</td>
<td>Pages 103 - 130</td>
<td>Chapter 6, Recreate the assembly drawing found on pg 122 to scale, and using the drawings found on pages 121 and 127 for reference</td>
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<td>April 12</td>
<td>Test #2 (Chapters 4 -6)</td>
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<td>Open lab</td>
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<td>April 19</td>
<td>Printed Circuit Boards</td>
<td>Pages 131 - 142</td>
<td>Chapter 7, Review Questions</td>
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<td>April 26</td>
<td>Enclosure Drawings</td>
<td>Pages 143 - 170</td>
<td>Chapter 8, Activity 1</td>
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<td>May 3</td>
<td>Pictorial Drawings/ Test #3 (Chapters 7 – 9)</td>
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<td>Open lab</td>
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<td>May 11</td>
<td>Final Exam</td>
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