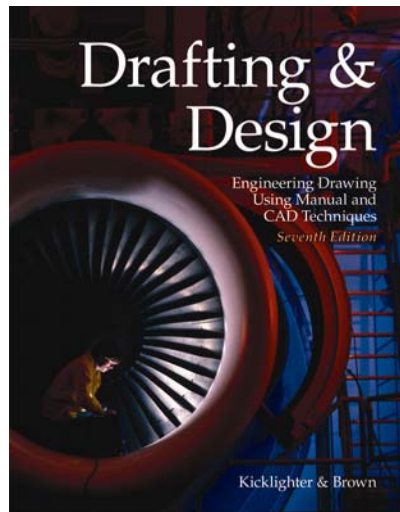




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**Course: Drafting I**  
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**Textbook Title: Drafting and Design**  
**Course: Drafting I**

Comp # Obj #	Unit Titles / Competency and Objective Statements (The Learner will be able to:)	Correlating Page Numbers
<b>A LEADERSHIP</b>		
<b>1.00</b>	<b>Demonstrate basic business meeting skills and goal setting</b>	
1.01	Demonstrate basic business meeting skills	28, 39, 597, 726-727
1.02	Demonstrate personal and organizational goals	31-36, 40
1.03	Identify career goals and opportunities related to engineering and technical graphics	31-36, 596-599
<b>B SKETCHING</b>		
<b>2.00</b>	<b>Demonstrate basic sketching skills and techniques</b>	
2.01	Identify the concepts related to sketching	131-161, 394
2.02	Explain the concepts related to sketching multiviews and pictorials	259-261, 352-353, 365, 393-394
2.03	Construct an isometric sketch	350-368
2.04	Construct an oblique sketch	376-380
2.05	Construct a multiview sketch	250-253, 259-261
<b>C BASIC DRAFTING SKILLS</b>		
<b>3.00</b>	<b>Demonstrate basic drafting skills and techniques</b>	
3.01	Explain the correct use of manual drafting equipment and supplies	41-76, 172-173, 219
3.02	Explain correct lettering technique	139-150, 157-158
3.03	Demonstrate correct drawing procedures	59-70
3.04	Construct a single-view drawing	72-76
<b>D BASIC GEOMETRIC TERMS AND CONSTRUCTION</b>		
<b>4.00</b>	<b>Explain geometric terms and apply geometric construction techniques</b>	
4.01	Explain selected geometric terms	169, 173, 177, 183, 191, 207, 213-214, 464-466
4.02	Explain the procedures for drawing standard geometric constructions	163-212, 213-239
4.03	Construct drawings that require geometric constructions	159-161, 211-212, 239, 269-280, 457-461, 499-507
<b>E MULTIVIEW DRAWING</b>		
<b>5.00</b>	<b>Demonstrate orthographic projection techniques and principles as they apply to multiview drawings</b>	
5.01	Explain the concepts and principles underlying the creating of multiview drawings	241-280, 309-314
5.02	Visualize objects and views	243-253, 257-261
5.03	Construct multiview drawings	260-261, 263-280
<b>F BASIC DIMENSIONING SKILLS</b>		
<b>6.00</b>	<b>Demonstrate basic dimensioning skills</b>	
6.01	Identify the accepted standards for mechanical dimensioning practices	281-314, 549-586
6.02	Explain the procedures for dimensioning mechanical drawings	288-307
6.03	Construct dimensions on an engineering drawing	310-314, 331-346, 578-586, 604-612
<b>G COMPUTER AIDED DESIGN AND DRAFTING</b>		
<b>7.00</b>	<b>Demonstrate basic CAD commands and techniques</b>	
7.01	Explain basic CADD terms and concepts	77-100, 101-123
7.02	Explain basic 2D CAD commands	104-119, 169, 180, 261
7.03	Explain basic 3D modeling commands and concepts	88-92, 97-98, 119-122, 479, 485
7.04	Construct a 2D CAD drawing	102-104, 126-130, 261, 301-307

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7.05 Construct a 3D CAD model	89-93, 97-98, 121-122, 363, 479, 485
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