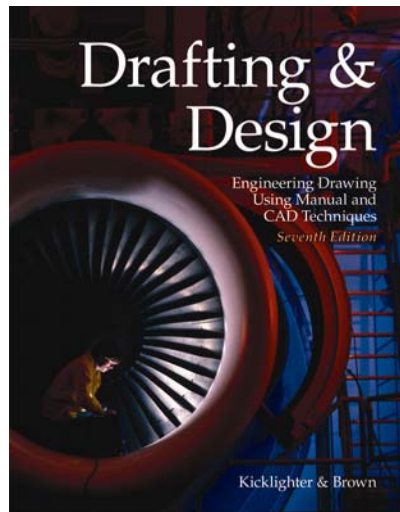




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**Course: Drafting II - Engineering
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Textbook Title: Drafting and Design
Course:
Drafting II -
Engineering

Comp # Obj #	Unit Titles / Competency and Objective Statements (The Learner will be able to:)	Correlating Page Numbers
A	LEADERSHIP	
1.00	Demonstrate communication, problem solving, and team building skills	
1.01	Demonstrate communication skills	39-40, 100, 125, 157, 267, 690, 813
1.02	Demonstrate problem solving and team building skills	27-29, 39
B	3D MODELING	
2.00	Demonstrate 3D solid modeling techniques	
2.01	Explain techniques for creating 3D geometry	88-93, 119-122, 352-353, 370-371, 442-443, 479, 485
2.02	Explain techniques for modifying and duplicating 3D geometry	91-92, 97-98, 479, 485
2.03	Construct a 3D solid model	88-93, 121-122, 479, 485
C	MANUFACTURING PROCESSES	
3.00	Demonstrate basic manufacturing processes	
3.01	Explain the concept of manufacturing processes	691-713
3.02	Explain the ANSI standards of applying annotations to a drawing that best describes the manufacturing processes	288-299, 691-696
3.03	Demonstrate the skills needed in applying annotations to a drawing that best describes the manufacturing processes	288-301, 311-314, 604-612, 691-696
D	DIMENSIONING AND CONVENTIONAL TOLERANCING	
4.00	Demonstrate intermediate dimensioning and conventional tolerancing techniques	
4.01	Explain intermediate dimensioning techniques	281-314, 549-576
4.02	Explain procedures for determining tolerancing dimensions	549-576
4.03	Construct drawings that require conventional tolerances	578-586, 603-609
E	SECTIONAL VIEWS	
5.00	Demonstrate the correct techniques for preparing sectional views	
5.01	Explain the concepts and principles of sectional views	315-329
5.02	Construct sectional views	331-346, 363-365, 437-439
F	AUXILIARY VIEWS	
6.00	Prepare primary auxiliary views	
6.01	Explain the concepts and principles of primary auxiliary views	407-428
6.02	Construct primary auxiliary views	429-433, 437-439
G	PATTERN DEVELOPMENT	
7.00	Prepare pattern developments	
7.01	Explain techniques and procedures for construction pattern developments	509-536
7.02	Construct pattern developments	537-545