

1st YEAR SYLLABUS

Syllabus number	Title	Book Number	Lesson
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Section 4

22	Understanding Resistance in DC Combination Circuits	J 202.H	19
23	How Current Reacts in DC Combination Circuits	J 202.H	20
24	How Voltage Functions in DC Combination Circuits	J 202.H	21
25	How to Calculate Power in DC Combination Circuits	J 202.H	22
26	How Voltage and Current Dividers Work	J 202.H	23
27	The Design and Operation of the Three-Wire, Single-Phase System	J 221.H	24

Section 5

28	Applying the Principle of Superposition to Circuit Calculations	J 202.H	24
29	Kirchhoff's Laws	J 202.H	25
30	Thevenin's and Norton's Theorems	J 202.H	26
31	Understanding the Principles of Magnetism	J 202.H	27
32	Understanding the Principles of Electromagnetism	J 202.H	28
33	DC Generators and Motors	J 202.H	29
34	Using DC Theory to Solve Real World Problems	J 202.H	30

Section 6

35	The Fundamentals of Blueprint Drawing & How to Make Proper Sketches	J 244.I	1
36	Understanding Architectural Views & How to Draw Them	J 244.I	2
37	Recognizing & Understanding Common Scales Used on Blueprints	J 244.I	3
38	Using Blueprint Specifications, Elevations & Schedules Properly	J 244.I	4
39	Understanding & Drawing Electrical Symbols Used on Blueprints	J 244.I	5
40	Understanding & Drawing Mechanical Symbols Used on Blueprints	J 244.I	6
41	Understanding How to Properly Use a Residential Blueprint	J 244.I	7
42	Reading and Analyzing a Residential Blueprint	J 244.I	8

Week 4 Books

