

2020-2021 Third Year Schedule

Class #	Date	Subject	Lesson Title
First Semester - Josh DeSpain			
<u>INSTRUCTOR NOTE - JOSH DESPAIN</u>			
All dates listed for lessons are the date we will review them in class			
Please have all homework completed by the date and time specified			
August 2020			
1	8/18/2020	Instrumentation Introduction, Module 1	1,2
2	8/20/2020	Instrumentation Introduction, Module 1	3,4
	8/23/2020	Homework due 3:00 pm	
3	8/25/2020	Instrumentation Introduction, Module 1	5,6
4	8/27/2020	Instrumentation Introduction, Module 1	7,8
	8/30/2020	Homework due 3:00 pm	

September 2020			
5	9/1/2020	Instrumentation Introduction, Module 1	9,10
6	9/3/2020	Instrumentation Introduction, Module 1	11,12
	9/6/2020	Homework due 3:00 pm	
	9/7/2020	Labor Day	
	9/8/2020	Mandatory Meeting @ Union Hall	
7	9/10/2020	Instrumentation Introduction Module 1 TEST	
	9/13/2020	Homework due 3:00 pm	
8	9/15/2020	Instrumentation Introduction, Module 2	1,2
9	9/17/2020	Instrumentation Introduction, Module 2	3,4
	9/20/2020	Homework due 3:00 pm	
10	9/22/2020	Instrumentation Introduction, Module 2	5,6
11	9/24/2020	Instrumentation Introduction, Module 2	7,8
	9/27/2020	Homework due 3:00 pm	
12	9/29/2020	Instrumentation Introduction, Module 2	9,10

October 2020			
13	10/1/2020	Instrumentation Introduction, Module 2	11
	10/4/2020	Homework due 3:00 pm	
14	10/6/2020	Instrumentation Introduction Module 2 TEST	
15	10/8/2020	Instrumentation Introduction, Module 3	1,2,3
	10/11/2020	Homework due 3:00 pm	
16	10/13/2020	Instrumentation Introduction, Module 3	4,5
17	10/15/2020	Instrumentation Introduction Module 3 TEST	
	10/18/2020	Homework due 3:00 pm	
18	10/20/2020	Motors, Level 1	1,2
19	10/22/2020	Motors, Level 1	3,4,5
	10/25/2020	Homework due 3:00 pm	
20	10/27/2020	Motors Level 1 TEST	
21	10/29/2020	Motors, Level 2	1,2
	10/30/2020	HALLOWEEN BREAK	

November 2020			
	11/1/2020	Homework due 3:00 pm	
22	11/3/2020	Motors, Level 2	3,4
23	11/5/2020	Motors, Level 2	5,6
	11/8/2020	Homework due 3:00 pm	
24	11/10/2020	Motors, Level 2	7,8
25	11/12/2020	Motors, Level 2	9
	11/15/2020	Homework due 3:00 pm	
26	11/17/2020	Motors Level 2 TEST	
27	11/19/2020	Test Instruments, Level 1	1,2

	11/22/2020	Homework due 3:00 pm	
28	11/24/2020	Test Instruments, Level 1	3,4
	11/25/2020	THANKSGIVING BREAK	

December 2020			
29	12/1/2020	Test Instruments, Level 1	5,6
30	12/3/2020	Test Instruments Lessons Level 1 TEST	
	12/6/2020	Homework due 3:00 pm	
31	12/8/2020	Transformers, Level 2	1,2
32	12/10/2020	Transformers, Level 2	3,4,5
	12/13/2020	Homework due 3:00 pm	
33	12/15/2020	Transformers Level 2 TEST	
34	12/17/2020	Healthcare Facilities Electrical Systems, Level 2	1,2
	12/21 - 1/3	WINTER BREAK	

January 2021			
35	1/5/2021	Healthcare Facilities Electrical Systems, Level 2	3
	1/6/2021	Homework due 7:00 pm	
36	1/7/2021	Healthcare Facilities Electrical Systems Level 2 TEST	
	1/10/2021	Homework due 3:00 pm	

Second Semester - Jimmy Lynch**INSTRUCTOR NOTE - JIMMY LYNCH**

**All dates listed for lessons are the date we will review them in class
Please have all homework for that weeks lessons completed by
6 PM Sunday prior to the lesson due dates**

January 2021

37	1/11/2021	Fire Alarm Systems Level I	Introduction to fire alarm systems
	1/11/2021	Fire Alarm Systems Level I	Fundamentals & System Requirements
	1/11/2021	Fire Alarm Systems Level I	Initiating Devices
38	1/13/2021	Fire Alarm Systems Level I	Notification Appliances
	1/13/2021	Fire Alarm Systems Level I	Wiring and Wiring Methods
39	1/18/2021	Fire Alarm Systems Level I	System interfaces & safety control
	1/18/2021	Fire Alarm Systems Level I	Emergency comm system & voice alarm system
	1/18/2021	Fire Alarm Systems Level I	Plans & specifications
	1/18/2021	Fire Alarm Systems Level I	Fire Alarm Systems Level I Review Quiz
40	1/20/2021	Fire Alarm Systems Level I	Fire Alarm Systems Level I Test
41	1/25/2021	Fire Alarm Systems Level II	Advanced detection topics
	1/25/2021	Fire Alarm Systems Level II	Public EM alarm reporting system/supervising
	1/25/2021	Fire Alarm Systems Level II	Single & multiple station alarms/household systems
42	1/27/2021	Fire Alarm Systems Level II	Inspection testing & maintenance
	1/27/2021	Fire Alarm Systems Level II	Fire Alarm Systems II Review Quiz

February 2021

43	2/1/2021	Fire Alarm Systems Level II	Fire Alarm Systems II Test
44	2/3/2021	Lighting Essentials Level I	Basic Concepts in lighting
	2/3/2021	Lighting Essentials Level I	The Science of Lighting
45	2/8/2021	Lighting Essentials Level I	Qualities of Light Sources
	2/8/2021	Lighting Essentials Level I	Daylighting
	2/8/2021	Lighting Essentials Level I	Lamps
46	2/10/2021	Lighting Essentials Level I	Luminaire
	2/10/2021	Lighting Essentials Level I	Lighting Controls
47	2/15/2021	Lighting Essentials Level I	Quantity & Quality of Light
	2/15/2021	Lighting Essentials Level I	Lighting Essentials Level I Review Quiz
48	2/17/2021	Lighting Essentials Level I	Lighting Essentials Level I Test
49	2/22/2021	Lightning Protection Level I	Introduction
	2/22/2021	Lightning Protection Level I	LPS ground work
	2/22/2021	Lightning Protection Level I	Down conductor and bonding
50	2/24/2021	Lightning Protection Level I	Rooftops
	2/24/2021	Lightning Protection Level I	Concealed and structural steel systems

March 2021

51	3/1/2021	Lightning Protection Level I	Bonding requirements and potential equaliz
	3/1/2021	Lightning Protection Level I	Surge protection devices/ quiz
52	3/3/2021	Lightning Protection Level I	Lightning Protection Test
53	3/8/2021	Electrical Code Calcs Level II	Calculating voltage drop on feeders and branch circuits
	3/8/2021	Electrical Code Calcs Level II	introduction to electrical load calculations
	3/8/2021	Electrical Code Calcs Level II	range and appliance calculations
54	3/10/2021	Electrical Code Calcs Level II	calculating parameters of residential loads
	3/10/2021	Electrical Code Calcs Level II	calculating parameters of multifamily dwelling loads
55	3/15/2021	Electrical Code Calcs Level II	calculating parameters of commercial loads
	3/15/2021	Electrical Code Calcs Level II	Electrical Code calculations Quiz
56	3/17/2021	Electrical Code Calcs Level II	Electrical Code calculations Test
57	3/22/2021	Rigging Hoisting & Signaling	Hoisting safety
	3/22/2021	Rigging Hoisting & Signaling	Cranes
	3/22/2021	Rigging Hoisting & Signaling	Lift planning
58	3/24/2021	Rigging Hoisting & Signaling	Signaling
	3/24/2021	Rigging Hoisting & Signaling	Load Weight & Balance

59	3/29/2021	Rigging Hoisting & Signaling	Slings & sling hitches
	3/29/2021	Rigging Hoisting & Signaling	Rigging equipment maintenance
	3/29/2021	Rigging Hoisting & Signaling	Rigging hardware
	3/29/2021	Rigging Hoisting & Signaling	Chains & Chain Slings
60	3/31/2021	Rigging Hoisting & Signaling	Synthetic Slings
	3/31/2021	Rigging Hoisting & Signaling	Wire Rope & Wire Rope Slings

April 2021

61	4/5/2021	Rigging Hoisting & Signaling	Fiber Ropes & Knots
	4/5/2021	Rigging Hoisting & Signaling	Block & Tackle
	4/5/2021	Rigging Hoisting & Signaling	Hoists
	4/5/2021	Rigging Hoisting & Signaling	Rigging Hoisting & Signaling Review Quiz
62	4/7/2021	Rigging Hoisting & Signaling	Rigging Hoisting & Signaling Review Test
63	4/12/2021	Hazardous Locations Level I	Hazardous classified location concepts
	4/12/2021	Hazardous Locations Level I	Article 500 understanding class 1,2,3 locations
	4/12/2021	Hazardous Locations Level I	Requirements for class 1 installations
64	4/14/2021	Hazardous Locations Level I	Requirements for class 2 installations
	4/14/2021	Hazardous Locations Level I	Requirements for class 3 installations
65	4/19/2021	Hazardous Locations Level I	Article 505 Zone 0,1,2 locations
	4/19/2021	Hazardous Locations Level I	Article 506 Zone 20,21,22 locations for combustible dust or fiber
	4/19/2021	Hazardous Locations Level I	Specific Locations Article 511 through 516
66	4/21/2021	Hazardous Locations Level I	Hazardous Locations Level I Applications
	4/21/2021	Hazardous Locations Level I	Hazardous Locations Level I Quiz
67	4/26/2021	Hazardous Locations Level I	Hazardous Locations Level I Test
68	4/28/2021	Preparing for Leadership	The contracting business
	4/28/2021	Preparing for Leadership	Personal Qualities: Professionalism & Respect

May 2021

69	5/3/2021	Preparing for Leadership	Personal Qualities: Credibility & Character
	5/3/2021	Preparing for Leadership	Personal Qualities: Ethics & Integrity
	5/3/2021	Preparing for Leadership	Personal Qualities: Teaching & Learning
70	5/5/2021	Preparing for Leadership	Planning: the importance of planning
	5/5/2021	Preparing for Leadership	Planning: planning challenges
71	5/10/2021	Preparing for Leadership	Communications: Effective Communication
	5/10/2021	Preparing for Leadership	Communications: Crew support & Morale
72	5/12/2021	Preparing for Leadership	Communications: Disruptive Behaviors
	5/12/2021	Preparing for Leadership	Communications: Addressing Conflict
73	5/17/2021	Preparing for Leadership	Preparing for Leadership Test
74	5/19/2021	healthcare facilities system I	Introduction
	5/19/2021	healthcare facilities system I	Utility Power
75	5/24/2021	healthcare facilities system I	Distribution
	5/24/2021	healthcare facilities system I	Patient care Spaces
76	5/26/2021	healthcare facilities system I	Health care facility systems test (Open Book)
77	5/31/2021	healthcare facilities system II	Facility electrical equipment maintenance
	5/31/2021	healthcare facilities system II	work in existing health care facilities
	5/31/2021	healthcare facilities system II	the future of health care
	5/31/2021	healthcare facilities system II	healthcare facilities system II test (open book)
78	6/2/2021	Last Class	MANDATORY MEETING - IBEW meeting hall (ALL CLASSES)