

Professional Electrician Code Training (PECT) Syllabus | Lesson Plan (Draft)

<u>Lesson</u>	<u>Date</u>	<u>Time/Hrs</u>	<u>Content</u>	<u>Teaching Outline</u>	<u>Learning Objectives / Focus</u>	<u>Text Book / Resources</u>
101	8-Jan-19	1	Orientation	Introductions & Books	Policies and Procedures	Safety Handbook
		1.5	Introduction to the NEC	History of the NEC	Intent and Purpose of the NEC	NEC 2017 and Tabs
		1.5	Customizing your code book	Highlighting, Notes and Tabs	How to use the book	NEC 2017 and Tabs
102	15-Jan-19	2	NEC Article 90, Sec 90.1-2	Scope of the NEC	Understand what is covered by the NEC	MH UNEC V1
		2	NEC Article 90, Sec 90.3-9	Code arrangement and rules	Identify key articles and sections	MH UNEC V1
103	22-Jan-19	1	Review and Quiz	NEC Article 90		
		1.5	Electrical Formulas	Ohms Law and Power Wheel	Understand the electrical formulas	MH Elect Theory Chap 2, Unit 9
		1.5	Electrical Circuits	Series and Parallel Circuits	List rules and perform calculations	MH Elect Theory Chap 3, Unit 10-11
104	29-Jan-19	1	Review and Quiz	NEC Article 90 Ohms Law SP Circuits		
		0.5	NEC Article 100, Definitions	Cover definitions A - F	Emphasis on Approved, AFCI, Dwelling Unit	MH UNEC V1
		1	NEC Article 100, Definitions	Cover definitions G - K	Emphasis on Grounding	MH UNEC V1
		0.5	NEC Article 100, Definitions	Cover definitions L - R	Emphasis on Location, Outlet, Qualified	MH UNEC V1
		1	NEC Article 100, Definitions	Cover definitions S - V	Emphasis on Services	MH UNEC V1
105	5-Feb-19	1	Review and Quiz	Definitions		
		1	NEC Article 110, Sec 110.1-9	Scope, Listing & Labeling, SCCR	Ensure students understand 110.3(B)	MH UNEC V1
		0.5	NEC Article 110, Sec 110.10-14	Integrity of Equipment, Terminations	Understand how terminations affect ampacity	MH UNEC V1
		0.5	NEC Article 110, Sec 110.15-25	Warning Labels, Lockable Disconnects	Identify equipment that must be labeled	MH UNEC V1
		1	NEC Article 110, Sec 110.26	Spaces about electrical equipment	Determine the proper working clearance	MH UNEC V1