

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>
201	12-Feb-19	1	NEC Article 200	Neutral Conductors	Understand the difference grounded or neutral	MH UNEC V1
		1	NEC Article 210, Sec 210.1-7	Branch Circuits	Identify the components of branch circuits	MH UNEC V1
		1	NEC Article 210, Sec 210.8-11	GFCI for personnel	Identify the location requirements of GFCI	MH UNEC V1
		1	NEC Article 210, Sec 210.12-18	AFCI protection	Identify the location requirements of AFCI	MH UNEC V1
202	19-Feb-19	1	Review and Quiz	NEC Article 200		
		1	NEC Article 210, Sec 210.19-25	Branch Circuit Ratings	Select proper overcurrent protection	MH UNEC V1
		1	NEC Article 210, Sec 210.50-52	Required Outlets - Dwellings	Recognize the layout and required outlets	MH UNEC V1
		1	NEC Article 210, Sec 210.60-70	Required Outlets - Other Locations	Identify locations that require an outlet	MH UNEC V1
203	26-Feb-19	1	Review and Quiz	NEC Article 210		
		1	NEC Article 215	Feeders	Properly identify feeder conductors	MH UNEC V1
		1	NEC Article 220, Sec 220.1-18	Branch Circuit Calculations	Select proper size wire and OCPD	MH UNEC V1
		1	NEC Article 220, Sec 220.40-85	Feeder and Service Calculations	Select proper size wire and OCPD	MH UNEC V1
204	5-Mar-19	1	Review and Quiz	NEC Article 215-220		
		1.5	NEC Article 225 / 230	Outside Wiring & Services	Select appropriate equipment and locations	MH UNEC V1
		1.5	NEC Article 240 / 285	Overcurrent Protection & TVSS	Identify standard amp ratings and taps	MH UNEC V1
205	12-Mar-19	1	Review and Quiz	NEC Article 225-285		
		1.5	NEC Article 250, Sec 250.1-36	System Grounding & Bonding	Understand the general requirements	MH UNEC V1
		1.5	NEC Article 250, Sec 250.50-86	Grounding Electrode System/Conductor	Recognize and sizing grounding electrodes	MH UNEC V1
206	19-Mar-19	1	Review and Quiz	NEC Article 250 Part 1		
		1.5	NEC Article 250, Sec 250.90-122	Bonding	Recognize and sizing EGC's	MH UNEC V1
		1.5	NEC Article 250, Sec 250.130-148	Methods of Equipment Grounding	Understand the different methods of grounding	MH UNEC V1