

**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>
301	26-Mar-19	1	Review and Quiz	NEC Article 250 Part 2		
		1	NEC Article 300, Sec 300.1-16	Wiring Methods	Understand different types of wiring methods	MH UNEC V1
		1	NEC Article 300, Sec 300.17-20	Raceway Sizing	Calculate raceway fill	MH UNEC V1
		1	NEC Article 300, Sec 300.21-23	Wiring in Plenums	Understand wiring methods in plenums	MH UNEC V1
302	2-Apr-19	1	Review and Quiz	NEC Article 300		
		1	NEC Article 310, Sec 310.1-15	Conductor Ampacity	Calculate ampacity correction and adjust factors	MH UNEC V1
		1	NEC Article 310, Sec 310.104	Conductor Construction	Identify different types of conductor insulation	MH UNEC V1
		1	NEC Article 312	Cabinets and Cutout Boxes	Demonstrate installation methods of cabinets	MH UNEC V1
303	9-Apr-19	1	Review and Quiz	NEC Article 310-312		
		2	NEC Article 314 & Annex C	Outlet, Device, J-Box Sizing	Properly select correct size boxes	MH UNEC V1
		1	NEC Article 330/ 334/ 338/ 340	Types of Cables	Uses of MC, NM, SE and UF Cables	MH UNEC V1
304	16-Apr-19	1	Review and Quiz	NEC Article 314-340		
		1.5	NEC Article 342 - 362	Types of Conduits and Raceway Fill	Uses of RMC, EMT, FMC, PVC	MH UNEC V1
		1.5	NEC Article 366 - 393	Types of Wireways and Sizing	Uses of Wireways	MH UNEC V1
305	23-Apr-19	1	Review and Quiz	NEC Article 342-393		
		3	Motors, Generators and Txfmrs	DVD	Understand the principal theory	MH Elect Theory Chap 6