



Course Syllabus **ELPT 1325 – National Electric Code I**

Aug 28 to Dec 17, 2017

Course Length – 16 weeks

CRN # 33130/Credits – 3 hours - Hybrid

Prerequisite/Corequisite: None

Instructor contact information

Walter “Matt” Adams
walter.adams2@hccs.edu

Office Location and Hours

Please feel free to contact me concerning any problems that you are experiencing in this course. Your success in this class is very important to me. I am available to hear your concerns and to discuss course topics. Feel free to schedule an appointment or meet with me after class:

Course Location/ Times

J. B. Whiteley Room # 216
Fridays 9:00 am to 10:35 am

Course Description

ELPT 1325 is an introductory study of the National Electrical Code (NEC) for those employed in fields requiring knowledge of the Code. Emphasis on wiring design, protection, methods, and materials; equipment for general use; and basic calculations. The course is designed to familiarize the student with Code contents and organization, terminology, definitions, chapters, sections, Fine Print Notes and table usage.

Instructional Materials

National Electrical Code 2017 + Color Coded EZ Tabs **(REQUIRED)**
ISBN13: 978-1-337-58573-6
Understanding the National Electrical Code, 2017, volume 1 **(RECOMMENDED)**
Mike Holt
ISBN: 978-0-9863534-5-1

Course Student Learning Outcomes (SLO)

- Define the purpose, scope, and general requirements of the National Electric Code.
- Discern the types of occupancies and areas that must comply and those that are exempt from the National Electric Code.
- Determine locations of electrical devices in code compliant dwellings.
- Determine conductor, service, and other wire sizes for code compliant dwellings.
- Calculate supply and load requirements for dwellings.
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Student's Requirements

To be successful in this class, it is the student's responsibility to:

- Attend class and participate in class discussions and activities.
- Read and comprehend the textbook.
- Complete the required assignments and exams:
- Ask for help when there is a question or problem.
- Keep copies of all paperwork, including this syllabus, handouts, and all assignments.
- Complete the course with a passing score.

COURSE POLICIES

Attendance	Students are expected to attend classes regularly, and to be on time for every class period. Students can be dropped from a class due to excessive absences. Excessive tardiness may be considered absences. Students are responsible for subjects, assignments, and projects covered during their absences. Consult the <i>Student Handbook</i> for more details or visit http://www.hccs.edu/hccs/current-students/student-handbook
Academic Honesty	Scholastic dishonesty is treated with the utmost seriousness by the instructor and the College. Academic dishonesty includes, but it is not limited to the willful attempt to misrepresent one's work, cheat, plagiarize, or impede other students' scholastic progress. Consult the <i>Student Handbook</i> for more details.
Open Carry	"At HCC the safety of our students, staff, and faculty is our first priority. As of August 1, 2017, Houston Community College is subject to the Campus Carry Law (SB11 2015). For more information, visit the HCC Campus Carry web page at http://www.hccs.edu/district/departments/police/campus-carry/
Students with Disabilities	HCC strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please meet with a campus Abilities Counselor as soon as possible in order to establish reasonable accommodations. Reasonable accommodations are established through an interactive process between you, your instructor(s) and Ability Services. It is the policy and practice of HCC to create inclusive and accessible learning environments consistent with federal and state law. For more information, please go to http://www.hccs.edu/district/students/disability-services/ . For Central College, call 713-718-6164.
Title IX	<p><i>Houston Community College is committed to cultivating an environment free from inappropriate conduct of a sexual or gender-based nature including sex discrimination, sexual assault, sexual harassment, and sexual violence. Sex discrimination includes all forms of sexual and gender-based misconduct and violates an individual's fundamental rights and personal dignity. Title IX prohibits discrimination on the basis of sex-including pregnancy and parental status-in educational programs and activities. If you require an accommodation due to pregnancy please contact an Abilities Services Counselor. The Director of EEO/Compliance is designated as the Title IX Coordinator and Section 504 Coordinator. All inquiries concerning HCC policies, compliance with applicable laws, statutes, and regulations (such as Title VI, Title IX, and Section 504), and complaints may be directed to:</i></p> <p><i>David Cross</i> <i>Director EEO/Compliance</i> <i>Office of Institutional Equity & Diversity</i> <i>3100 Main</i> <i>(713) 718-8271</i> <i>Houston, TX 77266-7517 or Houston, TX 77266-7517 orInstitutional.Equity@hccs.edu</i></p>
Cell Phones	All cell phones must be muted, set to vibrate, or turned off during class. Cell phone activity during class is deemed disruptive to the academic process and will not be tolerated. If you need to make or receive an <u>emergency call</u> , please leave the classroom.
Exams	There will be four (4) quizzes and four (4) exams as part of the grading of this class. Each quiz will reflect one of four chapter in the NEC book. The lowest quiz grade will be dropped. Exams will include material from the lectures as well as content from the book. Students are responsible for all the material in the book whether or not it is discussed in class. No make-up quizzes or exams will be given under any circumstances! You are not allowed to take the test outside of class for any reasons.

Student ID	Students are required to obtain a Student ID. For additional information, consult the <i>Student Handbook</i> .	
Parking Rules and Regulations	Students are required to follow HCC's regulations regarding parking and permits. For additional information, visit http://www.hccs.edu/hccs/about-hcc/police/parking/parking-rules-and-regulations	
Books, Tools, and Supplies	Students are required to purchase and bring to class the required textbooks, tools, notebooks, supplies, and writing instruments as required by the instructor.	
Dress Code	Dress code must be appropriate for the class. Students must dress in a way that clothing and accessories do not compromise their safety, and the safety of others. Proper foot wear is required in all laboratories. Absolutely no sandals or other footwear that exposes the feet will be allowed.	
Classroom Conduct	Proper behavior is expected in all classes and laboratories. Foul language and horseplay are not allowed. Sleeping in class is not allowed.	
Complaints	It is the responsibility of the student to officially withdraw from a course before the official withdrawal deadline. A student who does not withdraw from a course by the deadline will receive an "F" as the final grade. Also note that under Section 51.907 of the Texas Education Code, an institution of higher education may not allow a student to drop more than six courses.	
Supplies for class	Students are responsible for getting the National Electric Code book before the first test. The Mike Holt book or the tabs for the NEC book are purely optional.	
Hurricane Victims	Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. Furthermore, please notify the professor if you are comfortable in doing so.	
HCC Grading Scale	A = 100- 90	4 points per semester hour
	B = 89 - 80:	3 points per semester hour
	C = 79 - 70:	2 points per semester hour
	D = 69 - 60:	1 point per semester hour
	F = 59 and below	0 points per semester hour
Instructor Grading Criteria	Chapter Quizzes*	20%
	Exam Chap 01	20%
	Exam Chap 02	20%
	Exam Chap 03	20%
	Exam Chap 04	20%
		<hr/> 100%
	* There are 4 chapter quizzes. I will drop the lowest quiz grade.	

Course Outline

- Week 1 –
09/15:**
- Introduction
 - Purpose of the course
 - Overview of course syllabus
 - Course policies
 - Required materials, textbook(s), supplies, and resources (if applicable)
 - Disability Support Services
 - Registration, schedules, receipts, and student ID
 - Importance of updating and maintaining student data (Name, Address, ID #, phone numbers, emails)
 - Parking rules and regulations
 - Classroom and laboratory safety
 - Course withdrawal, Official Day of Record, and last day for withdrawal
 - Course tests, quizzes, exams, and assignments
 - Course grading policies
 - Instructor information
- Week 2 –
09/22:**
- Article 90 – Introduction to the National Electric Code
- Week 3 –
09/29:**
- Chapter 1 – General
 - Chapter 1 quizzed assigned
- Week 4 –
10/06:**
- **Chapter 1 Quiz due before class starts**
 - Chapter 1 - Exam
- Week 5 –
10/13:**
- Chapter 2 - Wiring and Protection
- Week 6 –
10/20:**
- Chapter 2 – continued/Assignment
 - Chapter 2 quiz assigned
- Week 7 –
10/27:**
- Chapter 2 Quiz due before class starts
 - Chapter 2 Exam
- Week 8 –
11/03:**
- Chapter 03 - Wiring Methods and Materials
- Week 9 –
11/10:**
- Chapter 03 – continue
 - Chapter 03 quiz assigned
- Week 10 –
11/17:**
- Chapter 03 Quiz due before class starts
 - Chapter 03 Exam
- Week 11 –
11/24:**
- Thanksgiving holiday
- Week 12 –
12/01:**
- Chapter 04 - Equipment for General Use

**Week 13 –
12/08:**

- Chapter 04 – continue
- Chapter 04 Quiz assigned

**Week 14 –
12/15:**

- Chapter 04 Quiz due before class starts
- Chapter 04 Exam