



Course Syllabus  
**ELPT 1325 – National Electric Code I**  
Jan 19 to May 15, 2016  
Course Length – 16 weeks  
CRN # 86475/Credits – 3 hours - Hybrid  
Prerequisite/Corequisite: None

**Instructor  
contact  
information**

Matt Adams  
[walter.adams2@hccs.edu](mailto: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 # 215  
**Thurs 5:00 pm to 6:30 pm**

**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 (NEC) 2014 **(REQUIRED)**  
Understanding the National Electrical Code **(RECOMMENDED)**

**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

<b>Attendance</b>	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 <b><i>Student Handbook</i></b> for more details or visit <a href="http://www.hccs.edu/hccs/current-students/student-handbook">http://www.hccs.edu/hccs/current-students/student-handbook</a>
<b>Academic Honesty</b>	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 <b><i>Student Handbook</i></b> for more details.
<b>Students with Disabilities</b>	Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the <b>Disability Support Services Office</b> at his / her respective college at the beginning of each semester. Faculties are authorized to provide only the accommodations requested by the <b>Disability Support Services Office</b> . For Central College, call 713-718-6164.
<b>Cell Phones</b>	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.
<b>Calculators</b>	The use of calculators in this class is allowed. Cell phones are not calculators, and are not allowed to be used for that purpose during class, tests, or exams.
<b>Exams</b>	There will be five (5) exams as part of the grading of this class. 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. <b>No make-up exams will be given under any circumstances!</b>
<b>Student ID</b>	Students are required to obtain a Student ID. For additional information, consult the <b><i>Student Handbook</i></b> .
<b>Parking Rules and Regulations</b>	Students are required to follow HCC's regulations regarding parking and permits. For additional information, visit <a href="http://www.hccs.edu/hccs/about-hcc/police/parking/parking-rules-and-regulations">http://www.hccs.edu/hccs/about-hcc/police/parking/parking-rules-and-regulations</a>
<b>Books, Tools, and Supplies</b>	Students are required to purchase and bring to class the required textbooks, tools, notebooks, supplies, and writing instruments as required by the instructor.
<b>Dress Code</b>	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.
<b>Classroom Conduct</b>	Proper behavior is expected in all classes and laboratories. Foul language and horseplay are not allowed. Sleeping in class is not allowed.
<b>Complaints</b>	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 tools and measuring instruments that the instructor says to purchase. These will include, but may not be limited to, a multimeter, a bread board with a power source (this will be covered later in the semester), wire strippers and cutters, and all electronic components that will be needed to be successful in this class.

<b>HCC Grading Scale</b>	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

<b>Instructor Grading Criteria</b>	Assignments	20%
	Exam Chap 01	20%
	Exam Chap 02	20%
	Exam Chap 03	20%
	Exam Chap 04	20%
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## Course Outline

- Week 1 – Jan21:**
- 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 – Jan 28:**
- Article 90 – Introduction to the National Electric Code
- Week 3 – Feb 04:**
- Chapter 1 - General
- Week 4 – Feb 11:**
- Chapter 1 – General continued/Assignment
- Week 5 – Feb 18:**
- Chapter 1 - Exam

- Week 6 –  
Feb 25:**
  - Chapter 2 - Wiring and Protection
- Week 7 – Mar  
03:**
  - Chapter 2 – continued/Assignment
- Week 8 – Mar  
10:**
  - Chapter 2 – Exam
- Mar 17:**
  - Spring Break
- Week 09 –  
Mar 24:**
  - Chapter 03 - Wiring Methods and Materials
- Week 10 –  
Mar 31:**
  - Chapter 03 – continue
- Week 11 –  
Apr 07:**
  - Chapter 03 – continue/assignment
- Week 12 –  
Apr 14:**
  - Chapter 03 – Exam
- Week 13 –  
Apr 21:**
  - Chapter 04 – Equipment for General Use
- Week 14 –  
Apr 28:**
  - Chapter 04 – continue
- Week 15 –  
May 05:**
  - Chapter 04 – continue/assignment
- Week 16 –  
May 12:**
  - Chapter 04 - Exam