

CONSTRUCTION TECHNOLOGY DEPARTMENT

COURSE SYLLABUS

COURSE NUMBER: **CNBT 1318 Hybrid - Spring 2022 (6222-F16)**

COURSE TITLE: **Construction Tools & Techniques**

CREDITS: **3 (2 LECTURE, 3 LAB)**

PREREQUISITE / COREQUISITE:

Class	Class Title	Days & Times	Room	Class Dates
CNBT 1318-1 (21140)	Construction Tools & Techniques (Lecture/Lab)	Th 6:00PM - 7:50PM	Central- J.B. Whiteley Rm 219	Jan 18, 2022- May 15, 2022

INSTRUCTOR

Eva Lyon, BSA, MCM, CDT, DE Instructor

Classroom: **Face to Face Meetings**

Office Hours: **Thursday (after class)** or by appointment Cisco Webex

Contact: **By Eagle Online (Inbox in our Canvas Course)** After Session begins: Include your Student ID number, Course name, and CRN number in the subject line on all messages. See syllabus and more information on the Learning web: <http://learning.hccs.edu/faculty/eva.lyon>

COURSE DESCRIPTION

Comprehensive study of the selection and use of hand tools, portable and stationary power tools and related construction equipment. Emphasis on safety in the use of tools and equipment.

END-OF-COURSE-OUTCOMES

Demonstrate established safety practices; explain and demonstrate the proper use of tools and equipment; describe fasteners and adhesives; define terms associated with building materials utilized by the construction industry, describe the handling and storage procedures; demonstrate the use and care of tools and equipment; and perform mathematical computations typically used by the various trades.

STUDENT LEARNING OUTCOMES	
SLO # 1	Describe terms associated with construction procedures, and explain safety practices and procedures
SLO # 2	Describe commonly used tools and equipment, and explain proper use of them
SLO # 3	Define terms used in construction
SLO # 4	Identify the various methods used in construction
SLO # 5	Describe the role of measurements and units in construction and describe significance of drawings and sketches

COURSE OBJECTIVES

Upon completion of this course, the student will:

- Explain safety practices and procedures
- Describe commonly used tools and equipment
- Define terms used in construction
- Describe significance of drawings and sketches
- Explain proper use of tools and equipment
- Describe terms associated with construction procedures
- Identify the various methods used in construction
- Describe the role of measurements and units in construction
- Demonstrate dexterity in the use of measuring tools
- Perform computations used in construction
- Describe proper use and care of tools and equipment

STUDENT EVALUATION

The percentage of the total grade determined by each part of the course assessment sequence:

• Book Quizzes	25%
• Assignments	20%
• Attendance/Participation	15%
• Middle Term Exam	15%
• Exercises/Test in class	10%
• Class Project/Final Presentation	15%
Total:	100% (Instructor may modify the ratio)

GRADING PROCEDURE

A = 90 – 100 B = 80 – 89 C = 70 – 79 D = 60 – 69 F* = below 59

** F will be awarded to students that stop attending or do not withdraw from the class by the withdrawal deadline*

TEXT BOOK (REQUIRED)

MODERN CARPENTRY-12th Edition ISBN 978-1-63126-083-4

by Willis H. Wagner, Howard Smith, Mark W. Huth, by **The Goodheart-Wilcox Company, Inc.**
1 Flash Drive, Paper and Pen/Pencil(s) and Plain Calculator

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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 **Student Handbook** 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 **Student Handbook** for more details.

Students with Disabilities

Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the **Disability Support Services Office** at his / her respective college at the beginning of each semester. Faculties are authorized to provide only the accommodations requested by the **Disability Support Services Office**. For Central College, call 713 – 718 – 6164. 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/>

Cell Phones, iPhones, iPads and electronic devices

All cell phones must be muted, set to vibrate, or turned off during class. Computers, tablets and 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 emergency call, please leave the classroom.

Calculators

If the course allows the use of a calculator during class, lab projects, and exams, the student is responsible to bring his/her calculator. Cell phones are not calculators, and are not allowed to be used for that purpose during class, tests, or exams.

Student ID

Students are required to obtain a Student ID. For additional information, consult the **Student Handbook**.

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 & Laboratory Conduct

Proper behavior is expected in all classes and laboratories. Foul language and horseplay are not allowed. Making or receiving cell phone calls during class are not allowed. Sleeping in class is not allowed.

Course Withdrawal

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.

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:

David Cross
Director EEO/Compliance
Office of Institutional Equity & Diversity
3100 Main
(713) 718-8271
Houston, TX 77266-7517 or Houston, TX 77266-7517 or Institutional.Equity@hccs.edu

Concealed Weapon Policy

"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/>."

Food & Housing Support

"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."