![HCC logo]

Instructional Services · Architectural Design and Construction · Construction Technology

Materials & Methods-21261

CNBT-1311

DL1 2022 Section 0001 3 Credits 01/24/2022 to 05/15/2022 Modified 01/21/2022

🕐 Course Meetings

Course Modality

In person

Meeting Days

Monday and Wednesday

Meeting Times

11:35 to 1:05

Meeting Location

Workforce 2

Lecture

Monday, Wednesday, 9:40 AM to 11:10 AM, Workforce 2

👤 Welcome and Instructor Information

Professor: Arthur Ehmling

- **Email:** arthur.ehmling@houstonisd.org

Instructor's Name: Arthur Ehmling

E-mail: arthur.ehmling@hccs.edu

Cell: 832-256-2765

Professor: Arthur Ehmling

- **Email:** arthur.ehmling@houstonisd.org
- **Phone:** 8322562765

Professor: Arthur Ehmling

- **Email:** arthur.ehmling@houstonisd.org

What's Exciting About This Course

This course is exciting because you will learn The different construction materials and the methods in which they are installed.

My Personal Welcome

Welcome to the course!

Preferred Method of Contact

arthur.ehmling@houstonisd.org

Office Hours

- **Monday, Tuesday, Wednesday, Thursday, 9:30 AM to 10:45 AM**

Office Hours

- **Monday, Tuesday, Wednesday, Thursday, 9:30 AM to 10:45 AM**

🖥 Course Overview

Course Description

Introduction to construction materials and methods and their applications.

Requisites

CNBT 1201, TECM 1301; must be placed into GUST 0341 in reading, ENGL 0300 or 0347 in writing and MATH 0306 in math.

Construction Management Technology

https://https://www.hccs.edu/programs/areas-of-study/construction-industry--manufacturing/construction-management-technology/

◎ Core Curriculum Objectives (CCOs)

- **Identify construction materials, list their applications.**
- **describe the various methods of construction.**
- **Explain the development, use, and applications of new materials being introduced to the construction industry under sustainable building concepts.**

📊 Student Learning Outcomes and Objectives

Program Student Learning Outcomes (PSLOs)

Can be found at:

https://www.hccs.edu/programs/areas-of-study/construction-industry--manufacturing/industrial-electricity/

Course Student Learning Outcomes (CSLOs)

Upon completion of CNBT 1311, the student will be able to:

- **Explain safety practices and procedures and describe commonly used building materials.**
- **Describe construction documents and define terms associated with construction projects.**
- **Identify the various methods used in construction and recognize requirements in const. projects.**
- **Identify tables, charts, and guidelines for construction materials.**
- **Describe and compare methods and techniques for various types of construction.**
- **Describe construction classifications and occupancy categories.**
- **Demonstrate dexterity in selecting materials.**

📋 Departmental Practices and Procedures

Department Specific Instructor and Student Responsibilities

<u>As your Instructor, it is my responsibility to</u>:

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived.
- Facilitate an effective learning environment through learner-centered instructional techniques.
- Provide a description of any special projects or assignments.
- Inform students of policies such as attendance, withdrawal, tardiness, and make up.
- Provide the course outline and class calendar which will include a description of any special projects or assignments.
- Arrange to meet with individual students before and after class as required.

<u>As a student, it is your responsibility to</u>:

- Attend class in person and/or online.
- Participate actively by reviewing course material, interacting with classmates, and responding promptly in your communication with me.
- 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.
- Attain a raw score of at least 50% on the departmental final exam.

Be aware of and comply with academic honesty policies in the [HCCS Student Handbook](#)

Program-Specific Student Success Information

Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

- Reading the textbook
- Attending class in person and/or online
- Completing assignments
- Participating in class activities

There is no short cut for success in this course; it requires reading (and probably re-reading) and studying the material using the course objectives as your guide.

📙 Instructional Materials and Resources

Instructional Materials

The [HCC Online Bookstore (https://hccs.bncollege.com/shop/hccs-central/page/find-textbooks)](https://hccs.bncollege.com/shop/hccs-central/page/find-textbooks) provides searchable information on textbooks for all courses. Check with your instructor before purchasing textbooks because the book might be included in your course fees.

Add Instructional Materials Here

Other Instructional Resources

Courseware

Content here...

✔️ Course Requirements

Assignments, Exams, and Activities

Type	Weight	Topic	Notes
Start Here	5%		Describe the assignment here.
Assignments	30 %		Describe the assignment here.
Mid term	25 %		Describe the assignment here.
Final Exam	40 %		Describe the assignment here.

Grading Formula

Grade	Range	Notes
A	90 - 100	
B	80 - 89	
C	70 - 79	
D	60 - 69	
F	Less than 59	

✳ Instructor's Practices and Procedures

Incomplete Policy

Work is to be turned in by the end of the semester.

Missed Assignments/Make-Up Policy

Work is to be turned in by the end of the semester.

Academic Integrity

Here's the link to the HCC information about academic integrity (Scholastic Dishonesty and Violation of Academic Scholastic Dishonesty and Grievance):

https://www.hccs.edu/studentprocedures (https://www.hccs.edu/studentprocedures)

Attendance Procedures

You must be in person to complete this course.

Student Conduct

Students should be respectful of others. Cell phone use is not allowed. All safety rules should be followed.

Instructor's Course-Specific Information

NA

Devices

Phones should be put away

Faculty Statement about Student Success

You should be able to pay attention and take notes. Everything you hear will be on the exam.

Faculty-Specific Information Regarding Canvas

This course section will use Canvas ([https://eagleonline.hccs.edu (https://eagleonline.hccs.edu)](https://eagleonline.hccs.edu)) to supplement in-class assignments, exams, and activities.

HCCS Open Lab locations may be used to access the Internet and Canvas. For best performance, Canvas should be used on the current or first previous major release of Chrome, Firefox, Edge, or Safari. Because it's built using web standards, Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser.

Canvas only requires an operating system that can run the latest compatible web browsers. Your computer operating system should be kept up to date with the latest recommended security updates and upgrades.

Social Justice Statement

Be respectful of all others as stated by law.

🏛 HCC Policies and Information

HCC Grading System

HCC uses the following standard grading system:

Grade	Grade Interpretation	Grade Points
A	Excellent (90-100)	4
B	Good (80-89)	3
C	Fair (70-79)	2
D	Passing (60-69), except in developmental courses.	1
F	Failing (59 and below)	0
FX	Failing due to non-attendance	0
W	Withdrawn	0
I	Incomplete	0
AUD	Audit	0
IP	In Progress. Given only in certain developmental courses. A student must re-enroll to receive credit.	0
COM	Completed. Given in non-credit and continuing education courses.	0

Link to Policies in Catalog and Student Handbook

Here's the link to the HCC Catalog and Student Handbook: [https://catalog.hccs.edu/ (https://catalog.hccs.edu/)](https://catalog.hccs.edu/)

In it you will find information about the following:

- Academic Information
- Academic Support
- Attendance, Repeating Courses, and Withdrawal
- Career Planning and Job Search
- Childcare
- disAbility Support Services
- Electronic Devices
- Equal Educational Opportunity
- Financial Aid TV (FATV)
- General Student Complaints
- Grade of FX
- Incomplete Grades
- International Student Services
- Health Awareness
- Libraries/Bookstore
- Police Services & Campus Safety
- Student Life at HCC
- Student Rights and Responsibilities
- Student Services
- Testing
- Transfer Planning
- Veteran Services

Link to HCC Academic Integrity Statement

https://www.hccs.edu/student-conduct (https://www.hccs.edu/student-conduct) (scroll down to subsections)

Campus Carry Link

Here's the link to the HCC information about Campus Carry:

https://www.hccs.edu/campuscarry (https://www.hccs.edu/campuscarry)

HCC Email Policy

When communicating via email, HCC requires students to communicate only through the HCC email system to protect your privacy. If you have not activated your HCC student email account, you can go to HCC Eagle ID (https://www.hccs.edu/email) and activate it now. You may also use Canvas Inbox to communicate.

Office of Institutional Equity

Use the following link to access the HCC Office of Institutional Equity, Inclusion, and Engagement: https://www.hccs.edu/eeo (https://www.hccs.edu/eeo)

Ability Services

HCC strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including long and short term conditions, 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 https://www.hccs.edu/accessibility (https://www.hccs.edu/accessibility)

Title IX

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 Institutional.Equity@hccs.edu (mailto:Institutional.Equity@hccs.edu)

https://www.hccs.edu/titleix (https://www.hccs.edu/titleix)

Office of the Dean of Students

Contact the office of the Dean of Students to seek assistance in determining the correct complaint procedure to follow or to identify the appropriate academic dean or supervisor for informal resolution of complaints.

https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/ (https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/)

Student Success

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Canvas only requires an operating system that can run the latest compatible web browsers. Your computer operating system should be kept up to date with the latest recommended security updates and upgrades.

HCC Online Information and Policies

Here is the link to information about HCC Online classes, which includes access to the required Online Information Class Preview for all fully online classes: https://www.hccs.edu/online/ (https://www.hccs.edu/online/)

Scoring Rubrics, Sample Assignments, etc.

Look in Canvas for the scoring rubrics for assignments, samples of class assignments, and other information to assist you in the course. https://eagleonline.hccs.edu/ (https://eagleonline.hccs.edu/)

Instructor and Student Responsibilities

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- Participate actively by reviewing course material, interacting with classmates, and responding promptly in your communication with me
- 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
- Be aware of and comply with academic honesty policies in the [HCCS Student Handbook (https://www.hccs.edu/studenthandbook)](https://www.hccs.edu/studenthandbook)

Sensitive or Mature Course Content

In this college-level course, we may occasionally discuss sensitive or mature content. All members of the classroom environment, from your instructor to your fellow students, are expected to handle potentially controversial subjects with respect and consideration for one another's varied experiences and values.

EGLS3

The EGLS[3] ([Evaluation for Greater Learning Student Survey System (https://www.hccs.edu/egls3)](https://www.hccs.edu/egls3)) will be available for most courses near the end of the term until finals start. This brief survey will give invaluable information to your faculty about their teaching. Results are anonymous and will be available to faculty and division chairs after the end of the term. EGLS[3] surveys are only available for the Fall and Spring semesters. EGLS3 surveys are not offered during the Summer semester due to logistical constraints.

[https://www.hccs.edu/egls3 (https://www.hccs.edu/egls3)](https://www.hccs.edu/egls3)

Housing and Food Assistance for Students

Any student who faces challenges securing their foods or housing and believes this may affect their performance in the course is urged to contact the Dean of Students at their college for support. Furthermore, please notify the professor if you are comfortable in doing so.

This will enable HCC to provide any resources that HCC may possess.

Student Resources

Tutoring

HCC provides free, confidential, and convenient academic support, including writing critiques, to HCC students in an online environment and on campus. Tutoring is provided by HCC personnel in order to ensure that it is contextual and appropriate. Visit the [HCC Tutoring Services (https://www.hccs.edu/tutoring)](https://www.hccs.edu/tutoring) website for services provided.

Libraries

The HCC Library System consists of 9 libraries and 6 Electronic Resource Centers (ERCs) that are inviting places to study and collaborate on projects. Librarians are available both at the libraries and online to show you how to locate and use the resources you need. The libraries maintain a large selection of electronic resources as well as collections of books, magazines, newspapers, and audiovisual materials. The portal to all libraries' resources and services is the HCCS library web page

at https://library.hccs.edu (https://library.hccs.edu/).

Supplementary Instruction

Supplemental Instruction is an academic enrichment and support program that uses peer-assisted study sessions to improve student retention and success in historically difficult courses. Peer Support is provided by students who have already succeeded in completion of the specified course, and who earned a grade of A or B. Find details at https://www.hccs.edu/supplemental-instruction (https://www.hccs.edu/supplemental-instruction)

Resources for Students:

https://www.hccs.edu/covid19students (https://www.hccs.edu/covid19students)

Basic Needs Resources:

https://www.hccs.edu/support-services/counseling/hcc-cares/basic-needs-resources/ (https://www.hccs.edu/support-services/counseling/hcc-cares/basic-needs-resources/)

Student Basic Needs Application:

https://www.hccs.edu/basicneeds (https://www.hccs.edu/basicneeds)

COVID-19

Here's the link to the HCC information about COVID-19:

https://www.hccs.edu/covid-19 (https://www.hccs.edu/covid-19)

Instructional Modalities

In-Person (P)

Safe, face-to-face course with scheduled dates and times

Online on a Schedule (WS)

Fully online course with virtual meetings at scheduled dates and times

Online Anytime (WW)

Traditional online course without scheduled meetings

Hybrid (H)

Course that meets safely 50% face-to-face and 50% virtually

Hybrid Lab (HL)

Lab class that meets safely 50% face-to-face and 50% virtually

Copyright Statement

In order to uphold the integrity of the academic environment and protect and foster a cohesive learning environment for all, HCC prohibits unauthorized use of course materials. Materials shared in this course are based on my professional knowledge and experience and are presented in an educational context for the students in the course. Authorized use of course materials is limited to personal study or educational uses. Material should not be shared, distributed, or sold outside the course without permission. Students are also explicitly forbidden in all circumstances from plagiarizing or appropriating course materials. This includes but is not limited to publically posting quizzes, essays, or other materials. This prohibition extends not only during this course, but after. Sharing of the materials in any context will be a violation of the HCC Student Code of Conduct and may subject the student to discipline, as well as any applicable civil or criminal liability. Consequences for unauthorized sharing, plagiarizing, or other methods of academic dishonesty may range from a 0 on the specified assignment and/or up to expulsion from Houston Community College. Questions about this policy may be directed to me or to the Manager of Student Conduct and Academic Integrity.

📅 Course Calendar

Syllabus Modifications

The instructor reserves the right to modify the syllabus at any time during the semester and will promptly notify students in writing, typically by e-mail, of any such changes.

When	Topic	Notes
week 1 01/28/2022 9:40 AM - 11:10 AM		Module 1
week 2 02/04/2022 9:40 AM - 11:10 AM		module 2
week 3 02/11/2022 9:40 AM - 11:10 AM		module 3
week 4 02/18/2022 9:40 AM - 11:10 AM		module 4 1-4 test
week 5 02/25/2022 9:40 AM - 11:10 AM		module 5
week 6 03/04/2022 9:40 AM - 11:10 AM		module 6
week 7 03/11/2022 9:40 AM - 11:10 AM		module 7 5-7 test
week 8 03/18/2022 9:40 AM - 11:10 AM		modu;le 8
week 9 03/25/2022 9:40 AM - 11:10 AM		module 9 8-9 test
week 10 04/01/2022 9:40 AM - 11:10 AM		module 10
week 11 04/08/2022 9:40 AM - 11:10 AM		module 11
week 12 04/15/2022 9:40 AM - 11:10 AM		module 12 10 - 12 test
week 13 04/22/2022 9:40 AM - 11:10 AM		module 13

When	Topic	Notes
week 14 04/29/2022 9:40 AM - 11:10 AM		module 14
week 15 05/06/2022 9:40 AM - 11:10 AM		module 15 13 - 15 test
week 16 05/13/2022 9:40 AM - 11:10 AM		final exam

▤ Additional Information

Departmental/Program Information

Add Content Here

Process for Expressing Concerns about the Course

If you have concerns about any aspect of this course, please reach out to your instructor for assistance first. If your instructor is not able to assist you, then you may wish to contact the Department Chair.