CNBT 1301
INTRODUCTION TO CONSTRUCTION TECHNOLOGY

COURSE DESCRIPTION

This course will provide an overview of the construction industry by examining organizational structures and systems, safety regulations and agencies, construction documents, office and field organizations, and the various construction crafts and trades. This course will focus on the basic knowledge and skills needed in the construction industry by studying safety, math, hand tools, power tools, rigging, blueprint reading, communication, and employability.

PREREQUISITE

There is no prerequisite for this class.

TEXT

National Center for Construction Education and Research, Core Curriculum: Introductory Craft Skills, Pearson, Fourth Edition, 2009.

COURSE OBJECTIVES

Upon completion of this course students will be able to:

1. Demonstrate the importance of following all safety rules and company safety policies.
2. Demonstrate safe lifting, care and use of personal protective equipment.
3. Demonstrate the safety requirements for working with various types of ladders and scaffolds and three point contact.
4. Demonstrate the proper and safe use of hand tools and power tools.
5. Identify various slings, hitches, and hardware for lifting.
6. Demonstrate how to rig and disconnect a load by estimating the size, weight, and center of gravity of a sample load using proper hand signals and pre-lift safety checks.
7. Demonstrate how to tie different types of knots commonly used in rigging.
8. Solve mathematical problems related to the construction industry by using the appropriate formulas.
9. Demonstrate the ability to use blueprints to locate spaces and features of a structure and measure distances.
10. Demonstrate the ability to write work reports, complete work forms, read instructions and give oral instructions, be able to perform tasks after listening to oral instructions.
11. Demonstrate the ability to use access and retrieve information from internet, email and databases.

INSTRUCTOR

Terri Proctor
Office: H-102H
Phone: 979-230-3577
Fax: 979-230-3282
Email: teresa.proctor@brazosport.edu

STUDENTS WITH DISABILITIES
BC is committed to providing equal education opportunities to every student. BC offers services for individuals with special needs and capabilities including counseling, tutoring, equipment, and software to assist students with special needs. Please contact Phil Robertson, Special Populations Counselor at 979-230-3236 for further information.

ACADEMIC HONESTY
Brazosport College assumes that students eligible to perform on the college level are familiar with the ordinary rules governing proper conduct including academic honesty. The principle of academic honesty is that all work presented by you is yours alone. Academic dishonesty including, but not limited to, cheating, plagiarism, and collusion shall be treated appropriately. Please refer to the Brazosport College Student Guide & Calendar for more information. This is available online at
http://www.brazosport.edu/Public%20Downloads/StudentGuide_09w.pdf

ATTENDANCE AND WITHDRAWAL POLICY
During each class period we will be learning basic skills/knowledge of the construction industry. If you miss a class, it is your responsibility to schedule any make-up test, homework, or in class assignment with the instructor.

If you fall behind in this class it is your responsibility to withdraw from the class. Likewise, if you stop attending class, it does not mean that you have officially withdrawn from class. To officially withdraw and receive a "W" in this class, you need to complete a withdrawal form before the official deadline which is the end of the tenth week of classes.

During class, cell phones and pagers are to be turned off or set in "vibrate" mode for the entire class period. Texting is not allowed in class. If you are expecting a call or text of an emergent nature, please inform me before class to make arrangements in handling the call.

ASSIGNMENTS AND MAKE-UP POLICY
Students are responsible for completing all reading and homework assignments prior to class. There will be a test and a performance lab for each module. In order to receive NCCER credit for the module, you must pass the written test with a minimum score of 70 and successfully demonstrate the tasks in the performance lab for the instructor. You have three attempts to achieve a score of 70 on the written exam; however you must waited 48 hours before repeating the test. The grade you receive on your first attempt will be the course grade.

All homework assignments are due on the date assigned. Homework will be assessed a 10 point penalty for each class meeting it is late. No homework will be accepted after the third class meeting from the assigned due date. If the student has an excused absence, an extension on the due date will be given. An excused absence is when the student notifies the instructor of his or her absence prior to class.

COMPUTER USAGE
Computers are to be used for class assignments only. If you are doing internet searches, playing games, sending or receiving email, on facebook or twitter, you will be asked to leave immediately. You will be counted absent and receive a zero for any work assigned during the class period. This includes homework as well as in-class assignments.

GRADE DETERMINATION

Module Tests	30%
Performance Labs	30%
Homework	20%
Final Exam	20%

GRADING SCALE

A = 100-90
B = 89-80
B = 89-80
C = 79-70
D = 69-60
F = Below 60

COURSE SCHEDULE

1. This class will meet in room H-215.
2. The final exam will be on Week 15 in accordance with the final exam schedule.
3. There will be a test and a performance lab after each module. (There is no performance lab for the math module.)

CNBT 1301 INTRODUCTION TO CONSTRUCTION TECHNOLOGY SCHEDULE*

Week 1
Introductions
Module 00107-09
Basic Communication Skills

Week 2
Module 00107-09
Basic Communication Skills
Basic Communication Skills Test and Performance Lab

Module 00101-09
Basic Safety

Week 3
Module 00101-09
Basic Safety

Week 4
Module 00101-09
Basic Safety
Safety Test and Performance Lab

Week 5
Module 00109-09
Introduction to Materials Handling
Material Handling Test and Performance Lab

Week 6
Module 00102-09
Introduction to Construction Math

Week 7
Module 00102-09
Introduction to Construction Math
Math Test

Week 8
Module 00103-09
Introduction to Hand Tools

Week 9
Module 00104-09
Introduction to Power Tools

	Hand Tools Test
Week 10	Module 00104-09 Introduction to Power Tools Power Tools Test Hand Tools and Power Tools Performance Lab
	Module 00105-09 Introduction to Construction Drawings
Week 11	Module 00105-09 Introduction to Construction Drawings Introduction to Construction Drawings Test and Performance Lab
Week 12	Module 00106-09 Basic Rigging
Week 13	Module 00106-09 Basic Rigging Basic Rigging Test and Performance Lab
Week 14	Module 00108-09 Basic Employability Skills Basic Employability Skills Test and Performance Lab Final Review
Week 15	Final Exam

*This is an approximate schedule of the material covered each week. It is understood that during the semester the instructor may have to make adjustments to the weekly class schedule.

COURSE SYLLABUS AGREEMENT FORM

YEAR _____ SEMESTER _____

LAST/FIRST NAME (PRINT) _____

DATE _____ TIME _____

INSTRUCTOR _____

I have enrolled in CNBT 1301— Introduction to Construction Technology and agree that I have received a copy of the course syllabus. I agree as a condition of enrollment and participation in the course that I have read the syllabus and comply with its requirements. It is understood that during the semester the instructor may have to make adjustments to the weekly class schedule.

_____ _____

SIGNATURE **DATE**