

**SYLLABUS
CNBT 2310
INDUSTRIAL AND COMMERCIAL BLUEPRINT READING**

COURSE DESCRIPTION

Students will scale commercial/industrial prints with architectural and engineering scales; identify construction blueprint symbols and abbreviations; interpret a set of commercial/industrial construction contract documents; and correlate elevations, sections, details, plan views, schedules, and general notes. **Credit Hours:** 3 (2 lecture/2 lab)

Required skill level: Intermediate algebra level math (placement code 3).

PREREQUISITE

There is no prerequisite for this class.

TEXT

Toenjas, Printreading for Heavy and Commercial Construction 4th Edition, American Technical Publishers, 2016.

Required course materials are available at the Brazosport College bookstore, on campus or online at <http://www.brazosport.edu/bookstore>. A student of this institution is not under any obligation to purchase a textbook from the college bookstore. The same textbook is/may also be available from an independent retailer, including an online retailer.

COURSE GOALS

Upon completion of this course students will be able to:

1. Compare types of construction and specifications.
2. Identify the lines, symbols, and abbreviations found on construction plans.
3. Read and interpret a site plan.
4. Read and interpret structural steel drawings.
5. Read and interpret cast in place concrete drawings.
6. Read and interpret precast concrete drawings.
7. Read and interpret window and door schedules.
8. Read and interpret section and detail drawings.
9. Read and interpret finish construction drawings.
10. Read and interpret mechanical and electrical plans.

INSTRUCTOR

Horace Buchanan

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The Brazosport College District shall not discriminate against or exclude from participation in any benefits or activities either on the staff or in the student body, any person on the grounds of sex, race, color, religion, national origin, age, or handicap.

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 for more information. This is available online at <http://www.brazosport.edu>.

Academic dishonesty violates both the policies of this course and the Student Code of Conduct. In this class, any occurrence of academic dishonesty will be referred to the Dean of Student Services for prompt adjudication, and may, at a minimum, result in one grade lower in this course. Sanctions may be imposed beyond your grade in this course by the Dean of Student Services.

ATTENDANCE AND WITHDRAWAL POLICY

Attendance is essential since this class meets only once a week. Each class period we will be viewing and interpreting blueprints of various construction projects. During our class meetings, cell phones and pagers are to be turned off or set in "vibrate" mode for the entire class period. If you are expecting a call of an emergent nature, please inform me before class to make arrangements in handling the call.

If you fall behind in this class, it is your responsibility to withdraw from the class. Because 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.

ASSIGNMENTS AND MAKE-UP POLICY

Students are responsible for completing all reading and homework assignments prior to class. All assignments are due on the date assigned. No late work will be accepted unless the student notifies the instructor of his or her absence prior to the due date.

COMPUTER USAGE

Computers are to be used for class assignments only. If you are doing internet searches, chat rooms, games, sending or receiving email during class, 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.

COURSE EVALUATION

Tests	80%
Final Exam	20%

GRADING SCALE

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

COURSE SCHEDULE

1. This class will meet in room L-213
2. The final exam will be in accordance with the final exam schedule.

CNBT 2310 INDUSTRIAL AND COMMERCIAL BLUEPRINT READING

Week 1	Chapter 1	Types of Construction
Week 2	Chapter 2	Specifications
Week 3	Chapter 3	Sitework
Week 4	Chapter 3	Sitework
Week 5	Chapter 4	Structural Steel Construction
Week 6	Chapter 4	Structural Steel Construction
Week 7	Chapter 5	Reinforced Concrete
Week 8	Chapter 5	Reinforced Concrete
Week 9	Chapter 6	Mechanical and Electrical Systems
Week 10	Chapter 6	Mechanical and Electrical Systems
Week 11	Chapter 7	Finish Construction
Week 12	Chapter 7	Finish Construction
Week 13	Chapter 8	Plans-SIRTI Building
Week 14	Chapter 8	Plans-SIRTI Building
Week 15	Review	
Week 16	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 adjust the weekly class schedule.

OTHER STUDENT SERVICES INFORMATION

Information about the Brazosport College Library is available at www.brazosport.edu/sites/CurrentStudents/Library/default.aspx or by calling (979) 230-3310.

Information about study skills and tutoring for math, reading, writing, biology, chemistry, and other subjects is available in Learning Services. See www.brazosport.edu/sites/CurrentStudents/LAC/default.aspx or call (979) 230-3253.

Student Services provide assistance in the following:

Counseling and Advising	(979) 230-3040
Financial Aid	(979) 230-3294
Student Activities	(979) 230-3355

To reach the Information Technology Department for computer, Email, or other technical assistance call the Helpdesk at (979) 230-3266.

Title IX Statement

Brazosport College faculty and staff are committed to supporting students and upholding the College District's non-discrimination policy. Under Title IX and Brazosport College's policy FFDA (Local), discrimination based on sex, gender, sexual orientation, gender identity, and gender expression is prohibited. If you experience an incident of discrimination, we encourage you to report it. While you may talk to a faculty or staff member at BC, please understand that they are "Responsible Employees" and must report what you tell them to college officials. You can also contact the Title IX Coordinators directly by using the contact information below. Additional information is found on the Sexual Misconduct webpage at www.brazosport.edu/sexualmisconduct. Kelli Forde Spiers, Director, Student Life and Title IX Coordinator Office J-117D; 979-230-3355; kelli.fordespiers@brazosport.edu Victoria Young, HR Coordinator and Deputy Title IX Coordinator



Get the information you need – when you need it. Click <http://geni.us/BRAZO> to install **BC Connect** on your mobile device to receive reminders, explore careers, map your educational plan, be in the know about events, find out about scholarships, achieve your goals and much more.