

Oklahoma State University Institute of Technology
Face-to-Face Common Syllabus
Summer 2018

CNS 1303 ESTIMATING I

Quantity take-off with emphasis on excavation, concrete, masonry, structural steel, rough carpentry, H.M./wood doors with hardware and miscellaneous specialty items will be studied.

Course Purpose:

The course is designed to introduce and develop the students' ability to complete calculations required for construction estimating. Gain knowledge and demonstrate the ability to use and/or create electronic spreadsheets and properly organize the materials using the CSI master format. Execute basic quantity surveys in the following categories: concrete & reinforcing, masonry, metals, woods, doors and windows, and excavation.

Type of Course: Theory/Lab

Credit Hours: 3; Total clock hours of theory per semester: 30;

Total clock hours of lab per semester: 45

Class Length: 1st Half

Class Days and Times: Varies by section - CRN # 40051 MTWRF 7:30-9:25 ; CRN # 40050 MTWRF 9:30-11:25

Prerequisites: CNS 1123, CNS 1263 and Math 1513.

Instructor Name: Darren Woodard

Instructor Phone: (918) 293-4738

Office: Bldg. 525 Room #105

Instructor Email: darren.woodard@okstate.edu

Contact: My preferred method of contact is email. Please allow 24-48 hours to return your correspondence during the normal work week.

Instructor's Office Hours: Posted on my office window

School Name: Construction Technologies

School Main Phone: 918-293-4742

REQUIRED TEXT, REFERENCES, AND MATERIALS

Texts: Walker's Building Estimator's Reference Book, Frank R. Walker, Frank R. Walker Company, ISBN #0911592306

References: None

Materials: Scientific Calculator, 3 Ring Binder, Flash Drive, Hi-lighters (several colors), Architect and Engineer Scale Rulers, Colored Erasable Pencils, Pencil, and eraser.

Uniform/Tools: None

Estimated Cost for Materials: \$ 145.00

Estimated Cost for Uniform/Tools: \$ 0.00

Optional Resources: None

Upon completion of the course, students should:

COURSE COMPETENCIES		ASSESSMENT OF COMPETENCY
1.	Demonstrate the ability to do calculations required for construction estimating.	Homework, Lab Exercises, Quizzes, Tests, and class participation.
2.	Demonstrate the ability to use electronic spreadsheets	Homework, Lab Exercises, Quizzes, Tests, and class participation.
3.	Execute basic quantity surveys with 95% accuracy for the following work categories: Concrete Masonry Metals Woods Doors & Windows Excavation	Portfolio examples of – Homework, Lab Exercises, Quizzes, Tests, and class participation.
4.	Demonstrate the ability to Plan & Organize a quantity survey for construction.	Homework, Lab Exercises, Quizzes, Tests, and class participation.

Aspects of the course objective assessments may be used in the university’s assessment of student learning. If applicable, an asterisk (*) above indicates this assignment is used in the university assessment program.

COURSE ACTIVITIES

In this course students will:

- Participate in discussions of assigned and supplemental readings.
- Participate actively in in-class activities and lab exercises.
- Make group and individual presentations demonstrating proficiency.
- Compile a portfolio of work documenting proficiency.

EVALUATION - GRADES WILL BE BASED ON THE QUALITY AND COMPLETION OF THESE TASKS:

Attendance / Participation	25%
Lab Projects	50%
Exams	25%
Total	<u>100%</u>

OSUIT Grading Scale A = 90%-100% B = 80%-89% C = 70%-79% D = 60%-69% F = 59% & below
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*The student’s grade for this assignment will be used in the university’s assessment of student learning. A 70% competency or higher receives a Pass rating. This Pass/Fail rating is independent of the student’s course grade.

Daily and/or weekly quizzes, small weekly assignments and similar type projects: Normal return time to student by next class meeting or no later than one (1) week.

Extensive assignments, large lab projects, extensive quizzes, exams and similar type projects: Normal return time to students in one (1) to two (2) weeks.

RECOMMENDED STUDENT COMPETENCIES/SKILLS

Skills and competencies recommended for students to have to be successful in this course: problem-solving skills, collaborative skills, adaptability, leadership, communication, safety and ethical awareness.

AUTHORIZED TOOLS

Students may use any/all course materials, including tools in tool room, books and notes, while participating in classroom activities. Quizzes and Exams are not considered a classroom activity and no collaboration with classmates is permitted during these assignments. Any instance of such will be considered academic dishonesty.

LATE WORK

No late work will be accepted, unless arrangements have been made prior to the beginning of class. Compliance with specific task and assignment directions and instructions is required. All assignments are to be submitted as an electronic file. Assignments are to be submitted using appropriate electronic software, i.e. word processed document, spread sheet application, or slide presentation. Students should retain a copy of the electronic file for all assignments.

TESTING

(Refer to “Academic Dishonesty” section of the syllabus attachment link;
http://osuit.edu/center/student_syllabus_information)

OTHER LAB AND CLASSROOM POLICIES

Use of cell phones or any other electrical devices will not be tolerated, unless otherwise directed from the instructor. Students must have their cell phones off.

The use of profanity or racial slurs WILL NOT be tolerated.

The course participation grade includes: being in class every day, on time, participating in class activities, provide feedback/input on the subject at hand and respective to others. Not being in class on time will result in points deducted off participation per incident (tardy), Tardy: Arriving late to class as defined by the individual class instructor. See Attendance policy for face-to-face courses under “Tardy” for further information.

SYLLABUS ATTACHMENT

View the Syllabus Attachment, which contains other important information, by visiting
http://osuit.edu/center/student_syllabus_information

Course Schedule

Summer 2018 Schedule for Estimating I		
CNS 1303		
Date	Subject to be Discussed	Reading to be Completed Before Class
5/2/2018	Move In Day	None
5/3/2018	Introductions, Syllabus, Activities, Expectations and Start Chapter 1	None
5/4/2018	An Introduction to Construction Estimating, Chapter 1	Chpt 1 (General Requirements)
5/7/2018	The Project Manual (Specs) / The Estimate Chapter 1	Chpt 1 (General Requirements)
5/8/2018	Concrete	Chpt 3 (Concrete)
5/9/2018	Concrete Take Off	Chpt 3 (Concrete)
5/10/2018	Concrete Take Off	Chpt 3 (Concrete)
5/11/2018	Concrete Take Off	Chpt 3 (Concrete)
5/14/2018	Concrete Take Off	Chpt 3 (Concrete)
5/15/2018	Concrete Take Off Due, Begin Masonry	Chpt 4 (Masonry)
5/16/2018	Masonry Take Off	Chpt 4 (Masonry)
5/17/2018	Masonry Take Off	Chpt 4 (Masonry)
5/18/2018	Masonry Take Off	Chpt 4 (Masonry)
5/21/2018	Masonry Take Off	Chpt 4 (Masonry)
5/22/2018	Masonry Take Off Due, Begin Site Work/Excavation	Chpt 2 (Site Work)
5/23/2018	Site Work Take Off	Chpt 2 (Site Work)
5/24/2018	Site Work Take Off	Chpt 2 (Site Work)
5/25/2018	Exam #1	Exam #1
5/28/2018	Memorial Day Holiday	
5/29/2018	Site Work Take Off	Chpt 2 (Site Work)
5/30/2018	Site Work Take Off Due, Begin Metals	Chpt 5 (Metals)
5/31/2018	Metal Take Off	Chpt 5 (Metals)
6/1/2018	Metal Take Off	Chpt 5 (Metals)
6/4/2018	Metal Take Off	Chpt 5 (Metals)
6/5/2018	Metal Take Off Due, Begin Wood	Chpt 6 (wood & Plastics)
6/6/2018	Wood Take Off	Chpt 6 (wood & Plastics)
6/7/2018	Wood Take Off	Chpt 6 (wood & Plastics)
6/8/2018	Wood Take Off	Chpt 6 (wood & Plastics)
6/11/2018	Wood Take Off	Chpt 6 (wood & Plastics)
6/12/2018	Wood Take Off Due, Begin Doors & Windows	Chpt 8 (Doors & Windows)
6/13/2018	Door & Window Take Off	Chpt 8 (Doors & Windows)
6/14/2018	Door & Window Take Off	Chpt 8 (Doors & Windows)
6/15/2018	Door & Window Take Off	Chpt 8 (Doors & Windows)
6/18/2018	Door & Window Take Off	Chpt 8 (Doors & Windows)
6/19/2018	Door & Window Take Off Due	Chpt 7, 10, & 11
6/20/2018	Final Exam Review	Review
6/21/2018	Final Exam	Final Exam
6/22/2018	Summer Break	
6/25/2018	Summer Break	
6/26/2018	Summer Break	
6/27/2018	Summer Break	
6/28/2018	Summer Break	
6/29/2018	Summer Break	
7/2/2018	Summer Break	
7/3/2018	Summer Break	
7/4/2018	Summer Break	
7/5/2018	Summer Break	
7/6/2018	Summer Break	
7/9/2018	Move In Day	
7/10/2018	2nd Half Classes Begin	

Schedule is subject to change at instructor discretion.