

### Instructor Information

Dr. Eric Busby  
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Email: eric.busby@sulross.edu  
Office Hours: By Appointment

**Class Time and Location:** ONLINE with virtual sessions

**Required Textbook:** None

### Reference:

Construction Management *4th Edition*;  
Author(s): Frederick Gould and Nancy Joyce  
Publisher: Pearson/Prentice Hall; *4th Edition*  
ISBN-10: 0132877244; ISBN-13:978-  
0132877244

Construction Accounting and Financial  
Management  
Author: Steven J. Peterson  
ISBN 978-0470182710

There will be reading material assigned in the form of handouts that contain industry related information.

### Course Description

This course introduces students to the theory and practice of managing a construction business. Students will gain knowledge of construction operations from estimating, bidding, scheduling, subcontracting practices, cost tracking, project documentation, construction bonds and insurance, payments and the elements of project close out.

### Student Learning Outcomes

This course is designed to meet one or more of the following Student Learning Outcomes:

- Experience the activities and functions of construction industry professionals.
- Develop an understanding and knowledge of construction management software.
- Develop and refine oral and written communication skills.

### Marketable Skills

1. Students will demonstrate knowledge of project management, project planning, scheduling, and estimating.
2. Students will demonstrate knowledge of industry safety practices.
3. Students will understand and implement lean philosophies to improve efficiency and eliminate waste.
4. Students will demonstrate the ability to communicate information and ideas verbally and in writing so others will understand.

**THIS SYLLABUS MAY CHANGE AT ANYTIME**

## **Course Objectives**

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### **Upon completion of this course the student will be able to:**

- Demonstrate an understanding of the different types of construction projects and how to select projects of interest.
- Satisfactorily demonstrate an understanding of the bidding process.
- Understand the different types of requirements for general contractors and construction managers.
- Demonstrate a step-by-step method of computing material and labor costs and cost tracking for the various major sub-parts of a building structure, to include: surveying and excavating, concrete, framing, masonry, drywall and finish materials.
- Understand project delivery methods and methodologies.
- Demonstrate the ability to make labor and operations cost reports and construction budgets.
- Understand construction contract document requirements.

## **Students with Special Needs**

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Sul Ross State University (SRSU) is committed to equal access in compliance with Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the Student's responsibility to initiate a request. Please contact me, Ms. Rebecca Greathouse Wren, M.Ed., LPC-S, Director/Counselor, Accessibility Services Coordinator, Ferguson Hall (Suite 112) at 432.837.8203; mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas 79832. Students should then contact the instructor as soon as possible to initiate the recommended accommodations.

## **Attendance - Student Expectations**

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Attendance (regular participation in the online classroom) is essential for maintaining the best learning environment. Learning occurs in relationship not only between student and course materials, but, just as importantly, peer to peer, professor to student, and student to professor. Participation in this course via the Internet is the responsibility of the student. Students receiving benefits from government agencies must adhere to policies stipulated by the specific agency.

NOTE: This Internet class demands that the student be self-motivated and self-disciplined. You are responsible to keep up with the schedule, assignments, and exams. I will be contacting you throughout the semester by email, and Blackboard is available at all times.

1. *Use e-mail and the discussion boards to communicate often with your instructor & classmates*
2. Log onto the class at least 5 times a week
3. Do NOT fall behind in your assignments
4. ASK for help when you need help

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## **Distance Education Statement**

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Students enrolled in distance education courses have equal access to the university's academic support services, such as Smarthinking, library resources, online databases, and instructional technology support. For more information about accessing these resources, visit the SRSU website. Students should communicate using Sul Ross email accounts and submit online assignments through Blackboard, which requires secure login information to verify students' identities and to protect students' information. The procedures for filing a student complaint are included in the student handbook. Students enrolled in distance education courses at Sul Ross are expected to adhere to all policies pertaining to academic honesty and appropriate student conduct, as described in the student handbook. Students in web-based courses must maintain appropriate equipment and software, according to the needs and requirements of the course, as outlined on the SRSU website.

## **Distance Education Non-Participation Statement**

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Policies in effect for on-campus, traditional classroom instruction courses also apply to students enrolled in distance education courses, including Web-based and ITV courses. The University allows a maximum of 20% absences in a course before an instructor may drop a student for excessive absences. In Web courses, this policy is interpreted as not participating for more than 3 weeks in a long semester, 1 week in a summer session, or 3 days in the midwinter session.

***Any student dropped for non-participation will receive an "F" in the course dropped.***

***Inactivity may include the following:***

- not logging on to the course not submitting assignments
- not participating in scheduled activities
- not communicating with the instructor by phone or email, and/or
- not following the instructor's participation guidelines stated in the syllabus

**Any student who has not logged on to this course or submitted assignments by June 7, 2021 will be considered to have exceeded the University's policy on "excessive absences" and may be automatically dropped from the course.** Blackboard statistics track the logins made and document the sections of the course accessed. These statistics will be used by your professor as a factor in documenting your participation in the course.

***Your professor will use Blackboard statistics to document logins to the course and assignments accessed.***

## **Class Structure**

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**The course is totally online.** Strategies include: Reading resources (papers); lectures with assignment instructions and use of the discussion board through Blackboard; written assessments at midterm and final; use of the Internet; and e-mails among students and between individual students and the professor. ***Students are responsible for completing all assigned work.***

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## **Discussion Participation**

*Discussion topics are set up for each module; you are expected to contribute to each discussion by posting a comment and replying to at least 2 other posts. Five points can be earned for each discussion following the guidelines below. Spelling and grammar count.*

## **Time Commitment**

You will be expected to log on to the course site 5-6 times per week. You are also expected to participate in all assigned activities including discussions in the course. Students should be prepared to spend at least 4-6 hours per week outside of class on assignments that will include: Homework, Reading Assignments, Lab work and studying for tests and quizzes.

## **Assignments**

**All assignments are to be submitted via Blackboard. No late work will be accepted without proper documentation or prior approval by the instructor.**

**Course Communication:** The official e-mail communications channel for this course is the Sul Ross State University e-mail account ([yourname@sulross.edu](mailto:yourname@sulross.edu)) of each student and professor. For the purposes of this course, no other e-mail account is acceptable.

**Due dates:** All assignments and projects will be given due dates which must be met. All assignments will be due by 11:59 pm on the assigned day. Assignments and projects will not be accepted if they are turned in late without approval. **Late assignments will lose ten points per calendar day.** Students are responsible for meeting the deadlines even if classes are missed.

**Grading:** All work will be graded on specific criteria using the following guidelines. Any worksheets will be graded on a points-per-answer basis. Criteria for grading will include accuracy of content, appropriateness of content for assignment, presentation, and clarity. Projects in the lab will be graded on accuracy, neatness, content, adherence to standards, adherence to assignment, and workmanship. Graded items will be broken into specific categories and presented on grade sheets given at the time the assignments are given.

## **Grading Policy**

Final grades will be determined by totals in these areas:

- 15% Procore Training
- 30% Assignments: homework, lab work, and discussion participation
- 20% Tests, Quizzes
- 35% Final presentation

In the event one of the above categories is not completed during the course that percentage will automatically be divided between the other categories at the same level. All assignment points will be converted to percentages for individual assignment letter grades.

A=100-90;

B=89-80;

C=79-70;

D=69-60;

F=59-0

Grades will be earned on the basis that “C” is average work, “B” is above average work, and “A” is well above average work. Barring unusual circumstances, there will be **NO INCOMPLETES** given at the end of this semester.

### **Academic Honesty**

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*All students are expected to complete their own work at all times. Any dishonest conduct will be promptly rewarded with an immediate “F”.*

### **Plagiarism**

*A student guilty of plagiarism and/or cheating will receive a grade of “F” in the course involved and the grade will be so recorded on the transcript. Students giving and receiving assistance in any unauthorized manner during an examination will subject themselves to this cheating policy. A pattern of cheating will result in suspension.*

### **Quizzes**

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There will be no quizzes given.

### **Tests/Exams**

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Practice exams will be given.

### **Midterm Exam**

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There will be no midterm exam given.

### **Final Exam**

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The final exam will be during the week of July 6, 2021. The specific date and time will be announced during the semester.

# IT 3301 MANAGING A CONSTRUCTION BUSINESS

Summer I 2021

## Tentative Course Outline

The following is a tentative schedule for the semester. The dates provided are the dates the reading is assigned, and the reading is to be completed by the following class day.

<b>Date</b>	<b>Topic/Learning Experience</b>	<b>Reading</b>
Week 1	Course Intro/Expectations/Overview of Construction Industry/Technology	Procore Training
Week 2	Construction Delivery Methods and Contracts	General AIA Contract Documents
Week 3	Bidding/Proposals/Bid Documents	
Week 4	Construction budgeting	
Week 5	Submit final project and complete any missed assignments	