

Instructor Information

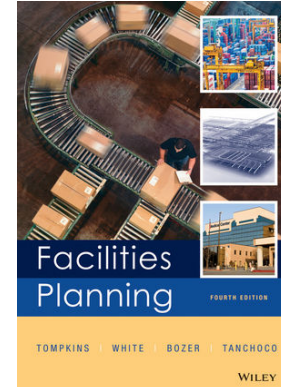
Dr. Eric Busby
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Email: eric.busby@sulross.edu
Office Hours: By Appointment

Class Time and Location: Tuesday & Thursday
9:30am - 10:45am
Industrial Technology Building RM 103

Required Textbook:

Facilities Planning, 4th Edition
Author(s): Tompkins, White, Bozer, Tanchoco
Publisher: Wiley
ISBN-10: 0470444045; ISBN-13: 9780470444047



Reference (*Not Required to Purchase*):

There will also be additional reading material assigned in the form of handouts that contain industry related information. Students will be responsible for that information on tests and quizzes.

Course Description

This course provides a basic understanding the concepts, science, and strategic decision processes associated with locating and designing facilities. Students will learn how facility design can enhance customer satisfaction, and the methods to effectively utilize people, equipment, space and energy in facilities. Additionally, students will learn how facility design can reduce costs and grow supply chain profitability, and to identify safety hazards in facilities.

The course offers basic understanding of blueprint reading and the necessary skills to manipulate CAD electronic files. Primarily focuses on education, commercial, and industrial facilities.

Student Learning Outcomes

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

1. Students will demonstrate a basic understanding of concepts, science and decision making associated with locating and designing facilities.
2. Students will demonstrate an understanding of the practical approaches used in the operation and management of commercial facilities.
3. Students will demonstrate an understanding of the terminology used in industry.
4. Students will develop skill and proficiency in the ability to present clearly identified solutions using graphical communication conventions and standards used in industry.

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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.**

Course Objectives

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

- Demonstrate an understanding of the following topics by correctly answering various styles of questions presented on worksheets, tests, and by completing a variety of written exercises.
- Explain how facility design can enhance customer satisfaction.
- Explain how facility design can enhance Return on Assets.
- Explain how facility design can reduce costs and grow supply chain profitability.
- Identify methods used to effectively utilize people, equipment, space and energy in facilities.
- Identify methods used to enhance ease of maintenance in facilities
- Identify safety hazards in facilities

This class is to be a learning experience, and your participation is required for you to be successful. As such the class structure, lesson topics, and overall learning environment will emphasize more than just knowledge comprehension.

SRSU Accessibility Services Statement

ADA Statement: Sul Ross State University is committed to equal access in compliance with the Americans with Disabilities Act of 1973. Students with qualifying disabilities who seek accommodations must initiate a request for a meeting for accessibility services. Students seeking accessibility services must contact Rebecca Greathouse Wren, M.Ed., LPC-S, Counseling & Accessibility Services, Telephone: 432-837-8203, or E-mail: rebecca.wren@sulross.edu. For more information see: <https://www.sulross.edu/page/1384/accessibility-services>

Distance Education Statement

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 correspond 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.

Attendance - Student Expectations

Attendance is necessary! Attendance and 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 section of this 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.

What You Should Understand About Internet Classes

1. Be realistic about the amount of time required to do the coursework.
2. On-line is NOT easier!
3. Schedule class time just as if you were attending class on-campus
4. Turn in your work ON TIME
5. Participate actively in the class
6. *Use e-mail and the discussion boards to communicate often with your instructor & classmates*
7. Log onto the class at least 5 times a week
8. Do NOT fall behind in your assignments
9. ASK for help when you need help

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Distance Education Non-Participation Statement

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 January 27, 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

The course is offered in both a traditional “Face-to-Face” and online format. This course is designed to be a guided study and not just dissemination of information. 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. There may be some step-by-step guided practice, individual assistance, and demonstrations during the scheduled class time in areas where there seems to be a need. It is essential that everyone be in attendance for the scheduled meetings for sharing information, demonstrations, activities, and so questions are answered. ***Students are responsible for completing all assigned work.***

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) 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. Any sketches and drawings assigned will be graded on a 100-point (percentage) scale. 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% quizzes
- 25% final exam (comprehensive)
- 30% assignments: homework, lab work, and discussion participation
- 30% final project (group or individual project)

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

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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

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.

Lab Time

As with all the Industrial Technology classes there will be a substantial amount of lab work to be done. Normally 6 hours outside of scheduled class time each week for researching, reading, and general homework is expected for college level work. All required research, lab work, and practice will be completed independently.

Quizzes

You will not be given advance notice of quizzes. They will be primarily written in nature. There will be no make-up quizzes.

Tests/Exams

All exams will be given on the announced date. The exams will cover material from class lecture and assigned readings. It is your responsibility to complete the exam when scheduled. Tests will be either administered through Blackboard using various styles of questions covering terminology, equipment, processes, and other items discussed. Participation for the tests is mandatory; no makeup tests will be given.

Midterm Exam

There will be no midterm exam given.

Final Exam

The final exam will be during the week of May 3-5, 2021. The specific date and time will be announced during the semester. The exam will include written, practical, and analytical portions, and will be comprehensive of the entire semester. Do not make any other plans for that day and time.