

IT 3303 H01 | ARCHITECTURAL DRAFTING AND HOME PLANNING | FALL 2026

COURSE SYLLABUS

Instructor: Carolyn Barrientes, MFA

Office: IT office room 113

Email: cxb17kq@sulross.edu

Class Time/Location: Tuesday & Thursday 11:00 am – 12:15pm

Industrial Technology Building RM 111

This class is to be a learning experience, and one that you want to attend each week. As such, the class structure, lesson topics, and overall learning environment will emphasize more than just knowledge comprehension. Students will be able to apply concepts to actual design projects as part of studio work.

Required Textbooks

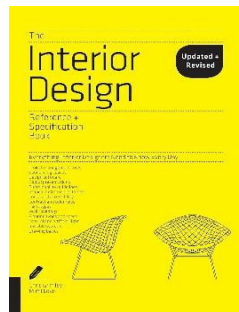
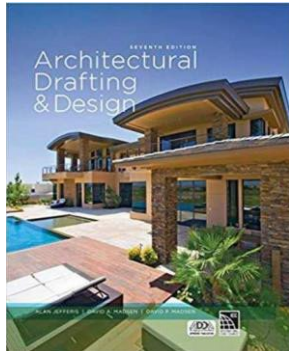
Architectural Drafting and Design, 7th Edition;

Author(s): Alan Jefferis; David A Madsen, B.S., M.Ed.;

David P. Madsen, B.S.

Publisher: Cengage Learning; 007 edition

Access the eBook\$31.99



paperback – by Chris Grimley, Mimi Love



Nkba Kitchen and Bathroom Planning Guidelines with Access Standards

Reference Materials:

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.

Class Structure

This course is designed to be a guided study and not just dissemination of information. It will be run on a lecture\discussion\activity format. Lectures will utilize power point slides, demonstrations, videos, and visits to the internet. Lectures will be given primarily to enhance and answer questions about the material that should have been studied prior to the class period. 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.

This class is a hybrid class

A hybrid class is one which requires both classroom attendance and use of Email, the Internet, and other means of electronic communication. Classroom attendance must be 50% or more of the course required hours. Classroom meetings must be regularly scheduled on a daily or weekly basis for the duration of the class.

Tuesdays will be dedicated to Blackboard Collaborate meetings at 11-12:15 per week

Thursdays will be dedicated to classroom meetings at 11-12:15 per week

Required Student Membership

National Kitchen & Bath Association Membership

Students are required to join the National Kitchen & Bath Association as part of this course. The main goals of the student membership are to encourage involvement of students in NKBA Affiliated School Programs, to offer students a venue to network with fellow students and professionals, to establish a firm link between Affiliated Schools and their local NKBA Professional chapter, and to introduce students to the benefits of on-going NKBA membership throughout their careers.

The NKBA along with its industry recognized certifications specializes in the design, planning and execution of residential kitchens and bathrooms. Opportunities for leadership development, community service, and competition participation in the areas of kitchen and bath design are woven into the instructional fabric at the state and national levels. Students may select to participate in the NKBA student competitions at regional, state and national levels.

Technology Recommendations

Software Recommendations: A FREE student version of Chief Architect can be requested here: <https://www.chiefarchitect.com/academic/>

Internet Access: Students must have access to a high-speed internet connection (at least 20 Mbps download speed).

Computer Hardware Requirements: Students must have a computer with a Windows 10 operating system or greater that can run the desktop student version of Chief Architect and Chief Architect Interiors. The system requirements for Chief Architect can be found [here](#). Online meetings require a computer to have a speaker (or telephone) for audio. Please note: Chief Architect runs on both Windows and Mac operating systems. You will need to contact Chief Architect to determine if the software is compatible with Chromebook.

Course Description

This course of study was designed to provide the student with an opportunity to develop an understanding of and acquire knowledge and skill in general residential design with emphasis placed on understanding the principles of good design. Students will study Architectural drafting and Interior Design applications with emphasis placed on the principles of good design and planning of the small home. Students will learn to draw architectural details, understand materials and methods of construction, energy conservation practices, use of symbols, lettering, and building standards of the American Institute of Architects.

Student Learning Outcomes

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

1. Students will be able to prepare a basic residential floor plan using proper scale accuracy, dimensioning, notations, and symbols.
2. Students will be able to demonstrate the ability to interpret residential building codes.
3. Students will learn to specify furnishings, fixtures, equipment, and finish materials to achieve the project goals.
4. Students will develop skill and proficiency in the ability to present clearly identified solutions using graphical communication conventions and standards used in industry.

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 ways 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.

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

- Identify, select, and use drawing instruments either by manual drafting or using Chief Architect software correctly and safely for completing necessary architectural drawings.
- Select acceptable paper and layout for each object being drawn.
- Identify, describe, and use the different drawing formats and styles necessary to describe a residence.
- Use sketching as a tool to work out design ideas and problems.
- Select the best drawing format and type of representation for details in a residence design.
- Demonstrate an understanding of how a building will look from sketches and detail drawings by answering various types of questions on tests.
- Sketch a design so it is understandable by others.
- Use an appropriate procedure to design a residential structure accounting for the primary considerations in design such as location, room location and position, traffic flow, and basic construction procedures.
- Complete the necessary drawings required for a residential house plan so the structure can be clearly understood.
- Recognize and describe standardized residential home styles.
- Demonstrate an understanding of residential construction and building techniques through class discussion, sketches and by answering various types of questions on tests.
- Demonstrate an understanding of standard residential construction practices by completing several construction detail drawings.

SRSU Disability Services Statement

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 each semester for each class. Alpine students seeking accessibility/accommodations service must contact appropriate staff. The office is located on the first floor of Ferguson Hall (Suite 112), and the mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas, 79832.

The Process of Requesting and Receiving Accommodations

To be eligible for services a student must be admitted to the university, have a documented disability, and register with our office. All syllabi must contain the point of contact name and location where students go to request accommodation:

Rio Grande, Uvalde, and Eagle Pass students can email Alejandra Valdez at asv18en@sulross.edu or by calling (830) 758-5006.

Alpine students can email counseling@sulross.edu, or call 432 837-8203.

Library Information

The Bryan Wildenthal Memorial Library in Alpine offers FREE resources and services to the entire SRSU community. Access and borrow books, articles, and more by visiting the library's website, library.sulross.edu. Off-campus access requires logging in with your LoboID and password. Librarians are a tremendous resource for your coursework and can be reached in person, by email (srsulibrary@sulross.edu), or phone (432-837-8123).

The Southwest Texas Junior College (SWTJC) Libraries at Uvalde, Del Rio, and Eagle Pass. Offer additional access to library spaces and resources. Del Rio, Eagle Pass, and Uvalde students may also use online resources available through SWTJC website, library.swtjc.edu. The SWTJC Libraries serve as pick-up locations for Inter-Library Loan (ILL) and Document Delivery from the Alpine campus.

Classroom Climate of Respect

Importantly, this class will foster free expression, critical investigation, and an open discussion of ideas. This means that all of us must help create and sustain an atmosphere of tolerance, civility, and respect for the viewpoints of others. Similarly, we must all learn how to probe, oppose, and disagree without resorting to tactics of intimidation, harassment, or personal attack. No one is entitled to harass, belittle, or discriminate against another person based on race, religion, ethnicity, age, gender, national origin, or sexual preference. Still, we will not be silenced by the difficulty of fruitfully discussing politically sensitive issues.

Attendance

Attendance is necessary! Attendance will be taken for each scheduled class period in accordance with University and Departmental Policy and will count as part of the daily work grade. In accordance with the Student Handbook, after 9 hours of absences the student will be dropped from the course with an 'F'. If a student is tardy and misses the roll call, they will be charged with one absence. It is up to your professors' discretion whether an absence is excused or unexcused.

Time Commitment

Students should be prepared to spend at least 4-6 hours per week outside of class on assignments that will include: Homework, Reading Assignments, and studying for tests and quizzes.

Phones & Electronic Devices

Phones in class are not to be used. Laptops to be used for research purposes in class.

Cell phones, texting and engaging in activities unrelated to this class are all strictly prohibited during class time. This means, NO electronic devices are allowed in the class unless instructed to use for an assignment in class. You must take handwritten notes during class.

Assignments

All assignments are to be submitted via Blackboard unless otherwise instructed. 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 unless they are due in class which in this case will be at the beginning of class after roll call. 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 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.

Grading Policy

Final grades will be determined by totals in these areas:

- 25% class participation and attendance, site visits - TBD
- 25% midterm project or exam - TBD
- 25% Assignments
- 25% Presentation of a final project (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.

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 any unusual circumstances there will be NO INCOMPLETES given at the end of this semester.

Academic Integrity

Students in this class are expected to demonstrate scholarly behavior and academic honesty in the use of intellectual property. A scholar is expected to be punctual, prepared, and focused; meaningful and pertinent participation is appreciated. Examples of academic dishonesty include but are not limited to: Turning in work as original that was used in whole or part for another course and/or professor; turning in another person's work as one's own; copying from professional works or internet sites without citation; collaborating on a course assignment, examination, or quiz when collaboration is forbidden.

All students are expected to always complete their own work. 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.

Recommended Accessories: A computer with a webcam and a microphone is recommended.

If you don't have access to the technology required for this course, please inform the instructor.

Supplies

There are some expendable supplies you will need for the class such as drafting pencils (lead), erasers, and paper. Tracing paper 11 x 14 pads, color medium such as pastel chalks, color pencils, other. Some supplies may be provided by the department through a set materials fee based on the average material use by students.

Storage

The lockers in the hallway may be checked out and used for storing your equipment and supplies. These lockers must be signed out with the secretary in the IT main office. You must supply your own lock. Do not leave any of your work or equipment lying around in the lab!

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 administered either through Blackboard using various styles of questions covering terminology, equipment, processes, and other items discussed. Participation in the tests is mandatory; **no makeup tests will be given.**

Midterm Exam

There will be one midterm exam or project - TBD

Final Project

The final exam time will be when each student will present this final project. 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.

Final Project in depth

The culminating project for this class will be a finished residential design. The final plans will be graded on the design you develop and the presentation of the plans. This final set will be graded as a whole unit and not as individual drawings. (The individual drawings will be graded as the semester progresses.)

The final set of plans will be graded on the following criteria: Design considerations and room planning, continuity of plans, completeness of ideas, quality of correctness of drawings, overall neatness/design quality, support for designs, accuracy of plans.

A SEPARATE COURSE SCHEDULE IS PROVIDED THE FIRST WEEK OF CLASS AND WILL BE POSTED ON BLACKBOARD.