
COURSE SYLLABUS

Computer Aided Drafting & Design
Industrial Technology Department
Technical Education Division
South Plains College
Levelland Campus

Instructor: Jason R. Bush, AIA
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Office Hours: M-Th: 4:00pm-5:30pm (by appt.)
F: 8:00am-12:00pm

COURSE INFORMATION

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|------------------------|---|
| COURSE NUMBER | DFTG-2300-001 |
| COURSE TITLE | Intermediate Architectural Drafting – Residential |
| PREREQUISITE(S) | DFTG 1317 or consent of instructor |
| LOCATION | TA 207B |
| MEETING TIME | T/Th 11:00A – 2:20P |
| TEXTBOOKS | <i>Residential Design Using Autodesk Revit 2023</i> by Danial John Stine, SDC Publications, ISBN: 9781630567385 |
| DESCRIPTION | This course is a continued application of the principles and practices utilized in residential construction for the development of architectural drawings with an emphasis on residential planning. The course presents principles of design, construction practices and procedures; architectural graphic standards used in architectural drawing and will include the preparation of a complete set of detailed working drawings for a residential structure with emphasis on light frame construction methods. |
| SCOPE | The scope of <u>Intermediate Architectural Drafting - Residential</u> will be for sixteen weeks, which will include two (2) hours of lecture per week and four (4) hours of laboratory experience per week, for a total of ninety-six (96) contact hours per semester. |
| PURPOSE | This course provides a study and emphasis on Residential Planning and Design, to prepare the student with knowledge and skills necessary for the design, detailing and plan preparation of light frame construction drawings. |
| COURSE OUTCOMES | Identification of advanced architectural terminology and related disciplines; define the principles of design and implementation of advanced residential construction; describe site and environmental considerations in planning a residential development; explain material usage; apply codes and standards in the creation of construction drawings; and write specifications. |
| COURSE TOPICS | <ol style="list-style-type: none">1) Light Frame Construction methods2) Advanced Construction systems3) Advanced Design Considerations (Area Planning)4) Architectural Detailing Practices and Procedures5) Multi-Level Floor Plans6) Sections7) Materials8) Schedules9) Codes, Standards, Specifications and References10) Plotting, Printing & Publishing11) 3D Modeling and Digital Image Creation |

GRADING

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| WEIGHTS | Attendance | 30% | SCALE | A | 90 – 100% |
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| Quizzes | 15% | B | 80 – 89% |
| Assignments | 25% | C | 70 – 79% |
| Final Project | 30% | D | 60 – 69% |
| | | F | 59% or Below |

ASSIGNMENTS Practical drawing and/or research assignments will be periodically assigned to demonstrate proficiency in various topics covered in class. These assignments are to be completed during laboratory time and will be graded on but not limited to the following items:

1. Neatness
2. Line Criteria
3. Text Criteria
4. Dimensioning Criteria
5. Layer Management Criteria
6. Correctness & Accuracy
7. Nomenclature
8. File Name Management and/or Digital Image File Creation

REVIEW QUESTIONS Students will be assigned review questions for topics covered in class and/or from other assigned supplemental readings available via Blackboard.

FINAL PROJECT The Final Project will be assigned near the end of the semester and will be used to demonstrate a practical proficiency in the various topics covered in class throughout the semester. The final project is intensive and will require multiple laboratory periods to complete.

CLASSROOM POLICIES

ATTENDANCE **Three absences**, for any reason are allowed per semester. Tardiness, defined as not being present in class within 5 minutes of the start of class, will count as ½ absence. Your grade will drop one letter grade for each absence over the allowable limit. Six absences will be grounds for the instructor to administratively withdraw the student from the course.

If a student has not participated in a course(s) in any form for a minimum of 3 weeks, without any communication from the student and is earning a solid “F”, an administrative withdrawal will be considered. The student will be contacted and encouraged to initiate a student withdrawal. After an additional week, faculty will initiate an administrative withdrawal.

WITHDRAWAL Any student wishing to drop this class should go through the proper procedure of initiating the withdrawal by obtaining a **drop form** from the Registrar's Office. This form must be signed by the instructor.

OTHER POLICIES Food and drink will be allowed at a student’s work station as long as computers are not affected in a negative way. All drinks must be stored away from computer so as not to damage any component. All workstations must be thoroughly cleaned before a student leaves class.

Music is allowed in the classroom during lab time as long as it is played through headphones.

Cellphones are permitted during lab time when used directly for research or class initiatives. If your cell phone rings, please excuse yourself from the class to address the call.

Students should adhere to all other standards established in the SPC Catalog found under *Student Conduct*.

This course is in the SPC TexBook program, so you do not need to purchase a textbook or access code for this course.

- **What is TexBook?** The required textbook/digital content for this course is available to you in Blackboard from the first day of class. The charge for the textbook/digital content is the lowest price available from the publisher and bookstore and is included in your tuition.
- **How do I access my TexBook?** Your course material is in your Blackboard course from the first day of class. Access to your course material is provided either by VitalSource or other links inside your Blackboard course. VitalSource (and many publisher's) eBook features include the ability to hear the text read aloud, highlight, take notes, create flash cards, see word definitions, build study guides, print select pages, and download 100% of the book for offline access.
- **Help with TexBook issues and support:** check with your professor or visit: <https://support.vitalsource.com/hc/en-us/requests/new> (available 24/7 via chat, email, phone, and text)
- **Opting out of TexBook:** Participating in TexBook is not mandatory, and you can choose to opt out. However, by opting out you will lose access to the course textbook/digital content and competitive pricing, and you will need to purchase the required course material on your own. If you drop the class or opt-out before the opt-out deadline, the TexBook fee will be automatically refunded to your SPC account. The opt-out deadline for Fall and Spring is the twelfth class day. The opt-out deadline for shorter terms varies between the second and third class day.

Please consult with your professor before deciding to opt-out.* If you still feel that you should purchase the course textbook/materials on your own, send an **opt-out email to pwells@texasbook.com. Include your first name, last name, student ID number, and the course you are opting out of. Once you have been opted-out, you will receive a confirmation email. If you need assistance with the process, contact the SPC Bookstore:

Email: pwells@texasbook.com / **Phone:** 806-716-2097

Email: agamble@texasbook.com / **Phone:** 806-716-4610

ACCOMMODATIONS

Students can find statements regarding COVID-19 Protocol, Intellectual Exchange, Disabilities, Non-Discrimination, Title IX Pregnancy Accommodations, CARE (Campus Assessment, Response, and Evaluation) Team, and Campus Concealed Carry at <https://www.southplainscollege.edu/syllabusstatements/>.