## Course Title:
Computer Aided Design

### Course Prefix: ARCH  
### Course No.: 2223  
### Section No.:  
### CRN: 17165 - Z01

"Drawing, our first expression of art, as old as time as modern as tomorrow" - unknown

### School of Architecture

### Department: Architecture

**Catalog Description:**
(3-0) Credit 3 semester hours. Introduction to the range and potential of computer aided design and electronic media in problem solving and conceptual design.

**Class Meeting Times:**
Mondays, and Wednesdays; 9:00AM-10:20 AM

**Class Meeting Room:**
CAD Lab RM 223

**Prerequisites:**
NONE

**Co-requisites:**
There are no prerequisites for this course

**Mode of Instruction:**
Face-to-face/Hybrid/Blended Course Instructional Method

**Instructor:**
William J. Batson Jr., M.Arch  
Director PVAMU-SoA CURES Center  
Associate Professor /Director-Construction Science

**Office Location:**
School of Architecture, Prairie View A&M University, Room 250

**Office Telephone:**
(936) 261-9837

**Email Address:**
wjbatson@pvamu.edu

**U.S. Postal Service Address:**
Prairie View A&M University  
P.O. Box 519Mail Stop 2100, Prairie View, TX 77446

**Office Hours:**
Monday, Tuesday and Wednesday 1:00-5:00 PM. OTHER HOURS BY APPOINTMENT. Meetings may also be conducted in person or via telephone or teleconference depending upon regulations related to COVID-19.

**Virtual Office Hours:**
Cell phone: 281-221-5510 MTWRF 8AM to 6PM

**Required Hardware:**
Preferably a PC. (see requirements list)

**Recommended Text**

**‘ZOOM’ Address**
https://pvpanther.zoom.us/j/6887042870  * (password issued on the first day of class)
Course Goals and Overview:
The goal of this course is to introduce the beginning students to both basic and sophisticated procedures using computer-aided drawing and to enable the student to become proficient in construction and editing of basic and complex technical drawings.

Course Outcomes/Learning Objectives
At the end of this course, the students will:

1. Understand differences between the terms BIM and CAD and their software capacities
2. Demonstrate the ability to be proficient in creating technical documents
3. Demonstrate the ability to be proficient in all editing and drawing commands.
4. Be able to Size, Scale and Plot drawings using architectural and engineering scales accurately
5. Be able to construct 2 & 3 dimensional drawings using proper material assemblies and families

Course Requirements & Evaluation Methods
This course will utilize the following instruments to determine student grades and proficiency.

- Drawing assignments are designed to supplement and reinforce course material
- Quizzes: Written tests designed to measure knowledge of presented course material
- Graphic Projects: Designed to measure ability to expand critical thought and apply course material.
- Class Attendance/Presentations: Ability to present and defend work orally in a public forum.

Grading Matrix

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Value (points or percentages)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATTENDANCE</td>
<td>Class attendance &amp; physical presences in ZOOM meetings without Avatar</td>
<td>20 %</td>
</tr>
<tr>
<td>Weekly Drawings</td>
<td>12 @ 10 pts.</td>
<td>120 %</td>
</tr>
<tr>
<td>Final Drawing Projects &amp; Presentation</td>
<td>2 @ 30% ea. [20% graphic &amp; 10% video presentation]</td>
<td>60 %</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td>200 %</td>
</tr>
</tbody>
</table>

Grade Determination:
A = 90-100 points On time and exceptional work in quality and craft
B = 80–89.99 points On time and Above average work in quality and craft
C = 70–79.99 points On time and Average work in quality and craft
D = 60–69.99 points Late and or below average work in quality and craft
F = 59.99 points or below FAILURE

Course Procedures: Edit to comply with your course.

Taskstream
Taskstream is a tool that Prairie View A&M University uses for assessment purposes. One of your assignments may be considered an "artifact," an item of coursework that serves as evidence that course objectives are met. More information will be provided during the semester, but for general information, you can visit Taskstream via the link in Canvas.

Class Attendance Policy
Prairie View A&M University requires regular class attendance. Attending all classes supports full academic development of each learner whether classes are taught with the instructor physically present or via distance learning technologies such as interactive video and/or internet. Excessive absenteeism, whether excused or unexcused, may result in a student’s course grade being reduced or in assignment of a grade of “F”. Absences are accumulated beginning with the first day of class during regular semesters and summer terms. University approved excuses must fall in one of the following classifications:
1. Participation in an activity appearing on the University authorized activity list.

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2. Death or major illness in a student’s immediate family.
3. Illness of a dependent family member.
4. Participation in legal proceedings that requires a student’s presence.
5. Religious holy day.
6. Confinement because of illness.
7. Required participation in military duties.

If you miss class for one of these reasons, you must provide a memorandum plus supporting documentation to clear the absence from your record. These documents will be accepted for ONE WEEK AFTER THE ABSENCE HAS OCCURRED.

<table>
<thead>
<tr>
<th>Personal Conduct</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students and faculty are expected to conduct themselves in ways that support individual learning and the learning of others. To that end members of the classroom community will conduct themselves in a professional and ethical manner to achieve these objectives.</td>
</tr>
<tr>
<td>1. During regular class periods all students are expected to dress appropriately in accordance with university regulations.</td>
</tr>
<tr>
<td>2. <strong>Dress Code for Presentations:</strong> Professional dress is expected for all design and technical presentations in class.</td>
</tr>
<tr>
<td>3. Students should <strong>not be eating food or consuming drinks</strong> during the discussion sessions. No food or drink is allowed in the classroom at any time.</td>
</tr>
<tr>
<td>4. <strong>Cellular telephones are to be turned off or put on silent ring tone</strong> during the class period. Texting is strictly prohibited during the class period.</td>
</tr>
<tr>
<td>5. <strong>Laptops must emit no noise.</strong></td>
</tr>
<tr>
<td>6. Harassment of your fellow students of any kind will not be tolerated.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Conduct of the Class</th>
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</thead>
<tbody>
<tr>
<td>Please note the following rules for the conduct of the class.</td>
</tr>
<tr>
<td>1. <strong>Class will begin at the appointed time and leave at the end of class.</strong></td>
</tr>
<tr>
<td>2. Students are expected to be on time and stay throughout the entire class period.</td>
</tr>
<tr>
<td>3. <strong>Lecture Notes and Handouts will be posted on Canvas or sent to your university email.</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Formatting Documents:</th>
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<tbody>
<tr>
<td>Microsoft Word is the standard word processing tool used at PVAMU. If you are using other word processors, save documents in Microsoft Word, Rich-Text, or plain text format.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Quiz Policy:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Projects in lieu of Quiz and Exam</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COVID-19 Campus Safety Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>To promote public safety and protect students, faculty, and staff during the COVID-19 pandemic, PVAMU has adopted policies and practices for the Fall 2020 academic term to limit virus transmission. Students must observe the following practices while participating in face-to-face courses and course-related activities (office hours, help sessions, transitioning to and between classes, study spaces, academic services, etc.).</td>
</tr>
<tr>
<td>- <strong>Self-monitoring</strong> - Students should follow CDC recommendations for self-monitoring. Students who have a fever or exhibit symptoms of COVID-19 should participate in class remotely and should not participate in face-to-face instruction.</td>
</tr>
<tr>
<td>- <strong>Face Coverings</strong> - Face coverings (cloth face covering, surgical mask, etc.) must be properly worn in all non-private spaces including classrooms, teaching laboratories, common spaces such as lobbies and hallways, public study spaces, libraries, academic resource and support offices, and outdoor spaces where 6 feet of physical distancing is difficult to reliably maintain.</td>
</tr>
<tr>
<td>- <strong>Physical Distancing</strong> - Physical distancing must be maintained between students, instructors, and others in course and course-related activities.</td>
</tr>
<tr>
<td>- <strong>Classroom Ingress/Egress</strong> - Students must follow marked pathways for entering and exiting classrooms and other teaching spaces. Students should leave classrooms promptly after course activities have concluded, should not congregate in hallways and should maintain 6-foot physical distancing when waiting to enter classrooms and other instructional spaces.</td>
</tr>
<tr>
<td>- <strong>Face-to-face Class</strong> - To attend a face-to-face class, students must wear a face covering (or a face shield if they have an exemption letter). If a student refuses to wear a face covering, the instructor should ask the student to leave and join the class remotely. If the student does not leave the class, the faculty member should report that student to the Office for Student Conduct for adjudication. Additionally, the faculty member may choose to teach that day’s class remotely for all students.</td>
</tr>
<tr>
<td>- <strong>COVID-19 Guidelines for Student Conduct Adjudication</strong> - The mandatory COVID-19 Training/Certification taken by all students serves as the 1st Warning for violation of</td>
</tr>
</tbody>
</table>
COVID-19 Guidelines.
- 1st incident: upon review of Incident Report and finding of responsibility — Conduct Probation
- 2nd incident: upon review of Incident Report and finding of responsibility — Suspension
- Consult the Code of Student Conduct in the Student Planner or Student Conduct website for additional information on Conduct Probation and Suspension.

- **Personal Illness and Quarantine** - Students required to quarantine must participate in courses and course-related activities remotely and must not attend face-to-face course activities. Students should notify their instructors of the quarantine requirement. Students under quarantine are expected to participate in courses and complete graded work unless they have symptoms that are too severe to participate in course activities. Students experiencing personal injury or illness that is too severe for the student to attend class qualify for an excused absence. To receive an excused absence, students must provide appropriate documentation to the Office for Student Conduct, studentconduct@pvamu.edu.

### University Rules and Procedures:

#### Disability Statement (See Student Handbook):

Students with disabilities, including learning disabilities, who wish to request accommodations in class should register with the Services for Students with Disabilities (SSD) early in the semester so that appropriate arrangements may be made. In accordance with federal laws, a student requesting special accommodations must provide documentation of their disability to the SSD coordinator. Students should also inform the instructor of their need for accommodations immediately at the outset of the course so that a solution designed to being successful in class can be produced.

#### Academic Misconduct (See Student Planner):

You are expected to practice academic honesty in every aspect of this course and all other courses. Make sure you are familiar with your Student Planner, especially the section on academic misconduct (see University Administrative Guidelines on Academic Integrity). Students who engage in academic misconduct are subject to university disciplinary procedures. As listed in the PVAMU Undergraduate Catalog, Graduate Catalog, and the Student Planner, the following are examples of prohibited conduct.

#### Forms Of Academic Dishonesty:

1. **Cheating**: Deception in which a student misrepresents that he/she has mastered information on an academic exercise that he/she has not learned, giving or receiving aid unauthorized by the instructor on assignments or examinations. Examples: unauthorized use of notes for a test; using a "cheat sheet" on a quiz or exam; any alteration made on a graded test or exam which is then resubmitted to the teacher. **Under no circumstance are you allowed to copy any part of anyone's work or digital drawings.**

2. **Plagiarism**: Careless or deliberate use of the work or the ideas of another; representation of another's work, words, ideas, or data as your own without permission or appropriate acknowledgment. Examples: copying another's paper or answers, failure to identify information or essays from the Internet and submitting or representing it as your own; submitting an assignment which has been partially or wholly done by another and claiming it as yours; not properly acknowledging a source which has been summarized or paraphrased in your work; failure to acknowledge the use of another's words with quotation marks.

3. **Multiple Submission**: Submission of work from one course to satisfy a requirement in another course without explicit permission. Example: using a paper prepared and graded for credit in one course to fulfill a requirement and receive credit in a different course.

4. **Conspiracy**: Agreeing with one or more persons to commit an act of academic/scholastic dishonesty.

5. **Fabrication of Information/Forgery**: Use or submission of contrived, invented, forged, or altered information in any assignment, laboratory exercise, or test; tampering with or production of a counterfeit document, particularly documents which make up the student's academic record. Examples: making up a source or citing nonexistent publication or article; representing made up data as real for an experiment in a science laboratory class; forging a change of grade or student withdrawal record; falsifying any
| **Nonacademic Misconduct (See Student Planner):** | The university respects the rights of instructors to teach and students to learn. Maintenance of these rights requires campus conditions that do not impede their exercise. Campus behavior that interferes with either: (1) the instructor's ability to conduct the class; (2) the inability of other students to profit from the instructional program, or (3) campus behavior that interferes with the rights of others will not be tolerated. An individual engaging in such disruptive behavior may be subject to disciplinary action. Such incidents will be adjudicated by the Dean of Students under nonacademic procedures. |
| **Sexual Misconduct** | Sexual harassment of students and employees at Prairie View A&M University is unacceptable and will not be tolerated. Any member of the university community violating the university's sexual harassment policy will be subject to disciplinary action. In accordance with the Texas A&M University System guidelines, your instructor is obligated to report to the Office of Title IX Compliance (titleixteam@pvamu.edu) any instance of sexual misconduct involving a student, which includes sexual assault, stalking, dating violence, domestic violence, and sexual harassment, about which the instructor becomes aware during this course through writing, discussion, or personal disclosure. The faculty and staff of PVAMU actively strive to provide a learning, working, and living environment that promotes respect that is free from sexual misconduct, discrimination, and all forms of violence. If students, faculty, or staff would like assistance, or have questions, they may contact the Title IX Coordinator at 936-261-2144 or titleixteam@pvamu.edu. More information can be found at the Title IX Webpage including confidential resources available on campus. |
| **Pregnancy, Pregnancy-related, and Parenting Accommodations** | Title IX of the Education Amendments of 1972 prohibits sex discrimination, which includes discrimination based on pregnancy, marital status, or parental status. Students seeking accommodations related to pregnancy, pregnancy-related condition, or parenting (reasonably immediate postpartum period) are encouraged to contact Student Disability Services or the Dean of Students' Office for additional information and to request accommodations. More information can be found at this webpage. |
| **Non-Discrimination Statement** | Prairie View A&M University does not discriminate on the basis of race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity in its programs and activities. The University is committed to supporting students and complying with the Texas A&M University System non-discrimination policy. It seeks to establish an environment that is free of bias, discrimination, and harassment. If you experience an incident of discrimination or harassment, we encourage you to report it. If you would like to speak with someone who may be able to afford you privacy or confidentiality, there are individuals who can meet with you. The Director of Equal Opportunity & Diversity has been designated to handle inquiries regarding the non-discrimination policies, and can be reached at Harrington Science Building, Suite 109 or by phone 936-261-1744 or 1792. |
| **Student Academic Appeals Process** | Authority and responsibility for assigning grades to students rests with the faculty. However, in those instances where students believe that miscommunication, errors, or unfairness of any kind may have adversely affected the instructor's assessment of their academic performance, the student has a right to appeal by the procedure listed in the University Catalog and by doing so within thirty days of receiving the grade or experiencing any other problematic academic event that prompted the complaint. Students can file Academic Complaints and/or Grade Appeals at this webpage. |

**Student Support and Success:**

**John B. Coleman Library**
The library and its partners have as their mission to provide resources and instructional material in support of the evolving curriculum, as a partner in Prairie View A&M University's mission of teaching, research, and service and to support the University's core values of access and quality, diversity, leadership, relevance, and social responsibility through emphasis on ten key areas of service. It maintains library collections and access both on campus, online, and through local agreements to further the educational goals of students and faculty. Phone: 936-261-1500; Website: J. B. Coleman Library.

**Academic Advising Services**
Academic Advising Services offers students a variety of services that contributes to student success graduation. We assist students with understanding university policies and procedures that affect academic progress. We support the early alert program to help students get connected to success early in the semester. We refer students to the appropriate academic support services when the student is unsure of the best resource for
The University Tutoring Center

The University Tutoring Center (UTC) offers free tutoring and academic support to all registered PVAMU students. The mission of the UTC is to help provide a solid academic foundation that enables students to become confident, capable, independent learners. Competent and caring staff and peer tutors guide students in identifying, acquiring, and enhancing the knowledge, skills, and attitudes needed to reach their desired goals. Tutoring and academic support is offered face-to-face in the UTC, in virtual face-to-face sessions, and through online sessions at PVPlace. Other support services available for students include Supplemental Instruction, Study Break, Academic Success Workshops, and Algebra Study Jam. Location: J. B. Coleman Library, Rm. 307; Phone: 936-261-1561; Email: pvtutoring@pvamu.edu; Website: University Tutoring Center.

Academic Early Alert

Academic Early Alert is a proactive system of communication and collaboration between faculty, academic advisors, and PVAMU students that is designed to support student success by promptly identifying issues and allowing for intervention. Academic Early Alert helps students by providing a central location to schedule advising appointments, view advisor contact information, and request assistance. Students who recognize issues that negatively affect their academic performance or ability to continue school may self-refer an Academic Early Alert. To do so, students will log in to PVPlace and click on Academic Early Alert on the left sidebar. Phone: 936-261-5902; Website: Academic Early Alert.

Student Counseling Services

The Student Counseling Services unit offers a range of services and programs to assist students in maximizing their potential for success: short-term individual, couples, and group counseling, as well as crisis intervention, outreach, consultation, and referral services. The staff is licensed by the State of Texas and provides assistance to students who are dealing with academic skills concerns, situational crises, adjustment problems, and emotional difficulties. Information shared with the staff is treated confidentially and in accordance with Texas State Law. Location: Hobart Taylor, 2nd floor; Phone: 936-261-3564; Website: Student Counseling Services.

Office of Testing Services

Testing Services serves to create opportunities by offering suite of exams that aid in the students’ academic and professional success. Currently we administer entrance (HESI A2), college readiness (TSI assessment), Prior Learning (CLEP, DSST), and proctored exams. Location: Wilhelmina Delco, 3rd Floor, Rm. 305; Phone: 936-261-3627; Email: aetesting@pvamu.edu; Website: Testing Services.

Office of Diagnostic Testing and Disability Services

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, contact the Office of Disability Services. As a federally-mandated educational support unit, the Office of Disability Services serves as the repository for confidential disability files for faculty, staff, and students. For persons with a disability, the Office develops individualized ADA letters of request for accommodations. Other services include: learning style inventories, awareness workshops, accessibility pathways, webinars, computer laboratory with adapted hardware and software, proctoring of non-standardized test administrations, ASL interpreters, ALDs, digital recorders, livescribe, and a comprehensive referral network across campus and the broader community. Location: Hobart Taylor, Rm. 1D128; Phone: 936-261-3583; Email: disabilityservices@pvamu.edu; Website: Disability Services.

Center for Instructional Innovation and Technology Services (CIITS)

Distance Learning, also referred to as Distance Education, is the employment of alternative instructional delivery methods to extend programs and services to persons unable to attend college in the traditional manner. The Center for Instructional Innovation and Technology Services (CIITS) supports student learning through online, hybrid, web-assisted and 2-way video course delivery. For more details and contact information, visit: CIITS Student Webpage; Phone: 936-261-3283.

Veteran Affairs

Veteran Services works with student veterans, current military and military dependents to support their transition to the college environment and continued persistence to graduation. The Office coordinates and certifies benefits for both the G.I. Bill and the Texas Hazlewood

ARCH 2223

COMPUTER AIDED DESIGN

PRAIRIE VIEW A&M UNIVERSITY

COURSE SYLLABUS

SCHOOL OF ARCHITECTURE

6
Office for Student Engagement

The Office for Student Engagement delivers comprehensive programs and services designed to meet the co-curricular needs of students. The Office implements inclusive and accessible programs and services that enhance student development through exposure to and participation in diverse and relevant social, cultural, intellectual, recreational, community service, leadership development and campus governance. Location: Evans Hall, Rm. 102; Phone: 936-261-3563; Website: Veteran Affairs.

Career Services

Career Services supports students through professional development, career readiness, and placement and employment assistance. The Office provides one-on-one career coaching, interview preparation, resume and career exploration workshops and seminars. Services are provided for students at the Northwest Houston Center and College of Nursing in the Medical Center twice a month or on a requested basis. Distance Learning students are encouraged to visit the Career Services website for information regarding services provided. Location: Anderson Hall, 2nd floor; Phone: 936-261-3570; Website: Career Services.

Technical Considerations for Online and Web-Assist Courses:

Minimum Hardware and Software Requirements

Minimum Recommended Hardware and Software:
- Intel PC or Laptop with Windows 10 or later version; Mac with OS High Sierra*
- Smartphone or iPad/Tablet with Wi-Fi*
- High speed Internet access
- 8 GB Memory
- Hard drive with 320 GB storage space
- 15” monitor, 800x600, color or 16 bit
- Sound card w/speakers
- Microphone and recording software
- Keyboard & mouse
- Most current version of Google Chrome, Safari or Firefox

*Smartphone, Google Chrome books and Android tablets may not be supported. iPads are the only tablets supported.

Note: Be sure to enable Java & pop-ups in the Web browser preferences.

Participants should have a basic proficiency of the following computer skills:
- Sending and receiving emails
- A working knowledge of the Internet
- Microsoft Word (or a program convertible to Word)
- Acrobat PDF Reader
- Windows or Mac OS
- Video conferencing software

Netiquette (online etiquette):

Students are expected to participate in all discussions and virtual classroom chats as directed. Students are to be respectful and courteous to others on discussions boards. Foul or abusive language will not be allowed. Do not use ALL CAPS for communicating to others AS IT CAN BE INTERPRETED AS YELLING. Avoid slang terms. Avoid slang terms when EMAILING. Begin with a professional salutation: Hi, Hello, or Good AMPM Professor/Person/Name, My name is ABCD, And I am in your XYZ class at AMPM time. My question is...

Video Conferencing Etiquette

When using Zoom, WebEx or other video conferencing tools, confirm the visible area is tidy, clear of background clutter, inappropriate or offensive posters, and other distractions. Stay muted when you are not speaking and avoid eating/drinking during session. Before class session begins, test audio, video and lighting to alleviate technology issues.

NETIQUETTE POLICY

During the first week of class each student will be required to acknowledge by replying to a affirmative to the Online Netiquette Policy for the course listed below.

1. When posting discussions or e-mailing one another, please be respectful of what you
write. Inappropriate language will not be tolerated, and the instructor has the right to
determine what is inappropriate. **Disrespectful students are subject to discipline or dismis**
**s from the online learning platform for this course.** All activities in the
classroom will follow standards set in the Student Handbook
2. When creating/posting images do NOT use graphics that have sexual, political or religious
implications. If you are unsure if you are unsure if a certain graphic is appropriate, email
your instructor privately.
3. Address your peer or instructor with their names for each post or email
4. Do not use ALL CAPS for postings or unnecessary exclamation marks, and not use text
messaging-style for official assignment postings & email to the instructor. Caps where
appropriate, example proper nouns and at the beginning of each sentence.
5. When posting critiques, try to be positive with your remarks, at the same time well-
seasoned with ideas and comments how your peers can improve their work.
6. This course requires that you give support and feedback to your classmate’s works. If you
see that someone does not have any comments made, please review your classmate’s
works by posting feedback.
7. Aim at getting your discussion assignments & projects in early. (The instructor permits
revisions for better grades, most important personal enrichment and improvement if
assignment is posted before the due date.) Late assignments or discussions can slow the
class down and will not benefit you as the learner.
8. Include references with your answers when it is cited from. Do not violate copyright laws.
9. Respect examples of Students Works posted online. They are posted as a guide.

### Technical Support:
Students should go to the Password Reset Tool if they have password issues. The page will
provide instructions for resetting passwords and contact information if login issues persist.
For other technical questions regarding eCourses, call the Center for Instructional Innovation
and Technology Services (CIITS) at 936-261-3283 or email ciits@pvamu.edu.

### Submission of Assignments-On Line Courses:
Assignments, Papers, Exercises, and Projects will distributed and submitted through your
online course. Directions for accessing your online course will be provided. Additional
assistance can be obtained from the Office of Distance Learning.

### Grade and Evaluation
Grades for assignments, submissions and exams will be posted within five (5)
business days from the due date.

**Assignments** are due at the start of the class session. No late work will be accepted
without proper documentation.

**Emails will be responded via email within 48 hours Monday-Friday before 5:00 PM.**
Please send all correspondences to the instructor’s Canvas’ portal.

### ACCREDITATION/ASSESSMENT CRITERIA Table No. 1-NAAB CRITERIA
This course is structured to assist the student meet the following criteria shown in Table No. 1 as established by the National
Architectural Accreditation Board (NAAB).

<table>
<thead>
<tr>
<th>Performance Criteria</th>
<th>Ability</th>
<th>Understanding</th>
<th>Course Learning Competencies</th>
<th>Outcomes (T, R, I)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>T Taught</td>
<td>R Reinforced</td>
</tr>
</tbody>
</table>

### REALM A: Critical Thinking and Representation

| A.1. Professional Communication Skills (Ability) | ✓ |
| A.9. Historical Traditions and Global Culture (understanding) | ✓ |
| A.10. Cultural Diversity (understanding) | ✓ |

**COURSE OUTLINE: EVENT AND LECTURE SCHEDULE**
This schedule is subject to change as the semester proceeds. Any revisions will be duly noted and announced in class.

### 16 WEEK CALENDAR

**Week One: Topic**

**Introductions and Syllabus**
### Week Two: Topic  
**August 31-September 4, 2020**

**Assignment:**  
**CAD DRAWING ONE:** TRI-PARTITE FROZEN HOMINID  
**August 24, 2020**  
**TUITION AND FEES PAYMENT DUE DATE**  
**LATE REGISTRATION:**  
**August 24-26, 20**  
**BEGINS AUGUST 24TH; ENDS AUGUST 26TH (FEE: $50.00)**  
**University Events:**  
**August 24-31, 20**  
**ATTENDANCE REPORTING PERIOD (ND/SH).**

### Assignment (s):

**CAD Drawing TWO:** Lines and Polylines

### Week Three: Topic  
**September 7-11, 2020**

**Assignment (s):**  
**CAD DRAWING THREE:** Wood, Block and Brick Sizes  
**September 7, 2020**  
**LABOR DAY (University Closed)**  
**September 9, 2020**  
**CENSUS DATE (12TH CLASS DAY)**  
**FINAL DAY TO DROP/WITHDRAW FROM COURSE WITHOUT ACADEMIC RECORD.**  
**September 10, 2020**  
**WITHDRAWAL FROM COURSES “WITH ACADEMIC RECORD” (W) BEGINS. ENDS NOVEMBER 2, 2020.**

### University Events:

- **September 7, 2020**  
  [Monday]  
  LABOR DAY (University Closed)

### Week Four: Topic  
**September 14-16, 2020**

**Assignment (s):**  
**CAD DRAWING FOUR:** Contemporary Floor Plan  
**September 15, 2020**  
**DROP FOR NON-PAYMENT OF TUITION AND FEES @ 5:00 PM.**  
**September 16, 2020**  
**PVAMU Construction Science Career Fair**  
**9:00 AM-3:00 PM held in the Fabrication Center my birthday!!!**

### University Events:

- **September 14, 2020**  
  [Monday]  
  DROP FOR NON-PAYMENT OF TUITION AND FEES @ 5:00 PM.

### Week Five: Topic  
**September 21-25, 2020**

**Assignment (s):**  
**CAD DRAWING FIVE:** Stair Section, Blocks and Write Blocks  
**Blocks and WBlocks**  
**September 28-Oct 2, 2020**

### Assignment (s):

**CAD DRAWING FIVE:** Stair Section, Blocks and Write Blocks  
**Blocks and WBlocks**

### Week Seven: Topic  
**October 5-9, 2020**

**Assignment (s):**  
**CAD DRAWING SEVEN:** Elevations  
**October 8-10, 2020**  
**QUIZ ONE on Thursday (pages 1 to 112) First Graphic Notebook Submission on Thursday**

### University Events:

- **October 8-10, 2020**  
  **QUIZ ONE on Thursday (pages 1 to 112) First Graphic Notebook Submission on Thursday**

### Week Eight: Topic  
**October 12-16, 2020**

**Assignment (s):**  
**FINAL AutoCAD Project WORK**  
**Final AutoCAD Project/Begin Revit**

### University Events:

- **October 13, 2020**  
  [Tuesday]  
  MID-TERM EXAM GRADES DUE

### Week Nine: Topic  
**October 19-23, 2020**

**Assignment (s):**  
**REVIT DRAWING ONE:** Site Plan and Contours  
**Beginning Revit Commands/Landscape and Topography**
<table>
<thead>
<tr>
<th>Week Ten: Topic</th>
<th>Advanced Revit Commands</th>
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<tbody>
<tr>
<td>October 26-30, 2020</td>
<td>REVIT DRAWING TWO: Foundation, Floors, Walls and Roof Design</td>
</tr>
<tr>
<td>Assignment (s):</td>
<td>October 29, 2020 [Thursday]</td>
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<tr>
<td>University Events:</td>
<td>FINAL DATE TO APPLY FOR GRADUATION! (Ceremony participation)</td>
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<tr>
<th>Week Eleven: Topic</th>
<th>Appliances, Components and Families and Roof</th>
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<tbody>
<tr>
<td>November 2-6, 2020</td>
<td>REVIT DRAWING THREE: Windows, Doors, Components and Families</td>
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<tr>
<td>Assignment (s):</td>
<td>November 2, 2020 [Monday]</td>
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<tr>
<td>University Events:</td>
<td>FALL 2020 GRADUATION: Application for Graduation-Degree Conferral Only Begins. (No ceremony participation or name listed in program.)</td>
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<td>November 2, 2020 [Monday]</td>
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<td>FINAL DAY TO WITHDRAW FROM COURSES &quot;WITH RECORD (&quot;W&quot;) ENDS</td>
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<tr>
<th>Week Twelve: Topic</th>
<th>Sections and Details</th>
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<tbody>
<tr>
<td>November 9-13, 2020</td>
<td>REVIT DRAWING FOUR: Sections, Elevations and Details</td>
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<tr>
<td>Assignment (s):</td>
<td>November 9-13, 2020 [Monday]</td>
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<tr>
<td>University Events:</td>
<td>Priority Registration Period for continuing students for Spring Semester 2021.</td>
</tr>
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<tr>
<th>Week Thirteen: Topic</th>
<th>Rendering and Animation</th>
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<tbody>
<tr>
<td>November 16-20, 2020</td>
<td>REVIT DRAWING FIVE: Rendering and Walk-Thru</td>
</tr>
<tr>
<td>Assignment (s):</td>
<td>November 13, 2020-01-20, 2021</td>
</tr>
<tr>
<td>University Events:</td>
<td>Registration for all other students for Spring Semester 2021.</td>
</tr>
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<tr>
<th>Week Fourteen: Topic</th>
<th>Revit Review</th>
</tr>
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<tbody>
<tr>
<td>November 23-27, 2020</td>
<td>Final Review of all Revit Commands</td>
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<tr>
<td>Assignment (s):</td>
<td>November 25-27, 2020 [Thursday]</td>
</tr>
<tr>
<td>University Events:</td>
<td>🎉THANKSGIVING!</td>
</tr>
</tbody>
</table>

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<tr>
<th>Week Fifteen Topic</th>
<th>FINAL SEMESTER Project and Portfolio</th>
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<tbody>
<tr>
<td>November 30-December 4/20</td>
<td>FINAL REVIT PROJECT DUE</td>
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<tr>
<td>Assignment (s):</td>
<td>December 2, 2020 [Wednesday]</td>
</tr>
<tr>
<td>University Events:</td>
<td>Last day of class for Fall Semester 2020!</td>
</tr>
<tr>
<td>December 2, 2020 [Wednesday]</td>
<td>FALL 2020 GRADUATION: Final date to apply for degree conferral. (No ceremony participation or name listed in program.)</td>
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<tr>
<td>December 2, 2020 [Wednesday]</td>
<td>Last Day to Withdraw from the University (ALL courses)</td>
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<tr>
<th>Week Sixteen</th>
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<tbody>
<tr>
<td>December 3-9, 2020</td>
<td>FINAL EXAMINATION PERIOD</td>
</tr>
<tr>
<td>December 9, 2020 [Wednesday]</td>
<td>FINAL COMPACATION</td>
</tr>
<tr>
<td>December 12, 2020 [Saturday]</td>
<td>FINAL GRADES FOR GRADUATION CANDIDATES DUE BY 12:00 PM!</td>
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<td>COMMENCEMENT...... HAVE A GREAT HOLIDAY!!!!!!!!!!</td>
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STATEMENT OF AGREEMENT

This will be our contract that you have read over the entire syllabus and that you understand what is expected of you in this class. (to be signed by student and loaded to CANVAS by 9/8/2020)

Discussion/Zoom / Webcam Behavior

When in a Zoom meeting or utilizing your webcam, be sure to act and dress as professionally as you can. Microphones shall be muted unless you are speaking.

☐ Be punctual
☐ Be properly dressed while in class and while on-line. Practice looking professional
☐ Please mute microphones when lecture is in session
☐ Be kind and respect each other
☐ NO PROFANITY
☐ Manage my time and minimize excuses
☐ Under no circumstance will I ever copy any part of anyone’s work or drawings.
☐ I understand that will be present and attend class on the days scheduled
☐ Be PHYSICALLY PRESENT during ZOOM meetings and not use ‘avitar’ of screen saver photo.
☐ (NOTE: students using ‘avitar’ will be marked absent.

INTRODUCTIONS:

1. Where do you see yourself in 5 years?

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

2. What is your definition of Architecture?

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

I__________________________________________________ have read the Course Syllabus for
Computer Aided Design - ARCH 2223 for the Fall Semester 2020 including the Class Lecture
and Event Schedule, and agree to abide by the conditions for the class as spelled out in this
syllabus. My signature indicates my personal commitment agreeing to meet all course
objectives.

____________________________________________________________________________________

Signature-Student

____________________________________________________________________________________

Student name (Please print neatly) Date

ARCH 2223 COMPUTER AIDED DESIGN COURSE SYLLABUS
PRAIRIE VIEW A&M UNIVERSITY SCHOOL OF ARCHITECTURE

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