**Course Title:** Computer Aided Design  
**Fall 2022**  
**Course Prefix:** ARCH  
**Course No.:** 1315 P02  
**Section No.:** CRN 2310-18404

---

“Drawing is our first expression of art, as old as time, as modern as tomorrow”  
-unknown

**School of Architecture** | **Department:** Architecture  
---|---
**Catalog Description:** 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:** 11:00AM to 12:20PM - Tuesday and Thursday  
**Class Meeting Room:** Big Computer Lab, RM 223  
**Prerequisites:** NONE  
**Co-requisites:** There are no prerequisites for this course  
**Mode of Instruction:** This Class is 100% Face-to-face  
**Instructor:** Abel Simie, M. Arch, Fabrication Center Manager  
**Office Location:** Fabrication Center, Prairie View A&M University, Room 105  
**Office Telephone:** (936) 261-9857  
**Email Address:** atsimie@pvamu.edu  
**U.S. Address:** Prairie View A&M University, P.O. Box 519 MS 2100, Prairie View, TX 77446  
**Office Hours:** Monday, Tuesday and Wednesday 1:00-4:00 PM. other hours by appointment.  
**Virtual Office Hours:** Zoom meetings by appointment  
**Required Hardware:** Preferably a PC. (see requirements list) Macs are not as compatible  
**Recommended Text** Revit 2020 for Architecture: No Experience Required 2nd Edition,  
**ISBN:** 13: 978-1119560081
**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 CAD and BIM 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 supplement and reinforce 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</td>
<td>20%</td>
</tr>
<tr>
<td>Weekly Drawings</td>
<td>12 @ 10 pts.</td>
<td>120%</td>
</tr>
<tr>
<td>Quiz</td>
<td>Mid Semester Quiz</td>
<td>25%</td>
</tr>
<tr>
<td>Notebook</td>
<td>Semester Notebook (collected at random!)</td>
<td>25%</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>250%</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 below average work in quality and craft
- F = 59.99 points or below FAILURE

**NOTE:**

If a student has stopped attending the course (i.e. “stopped out”) at any point after the first day of class but did not officially withdraw from the course and has missed assignments and exams and performed below the grade level of a D, a grade of FN (failed-nonattendance) will be assigned for the final course grade to ensure compliance with the federal Title IV financial aid regulations. In contrast, if the student has completed all assignments and exams, but performed below the grade level of a D, a grade of F will be assigned for the final course grade.

**Course Procedures:**

**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 beginning on Tuesday, August 23, 2022. Each faculty member will include the University’s attendance policy in each course syllabus.

**Instructor’s Attendance and Participation 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 beginning on Tuesday, August 23, 2022. Each faculty member will include the University’s attendance policy in each course syllabus.
present or via distance learning technologies. Absences are accumulated on the first day of class during regular semesters and summer terms.

University approved excuse must fall in one of following classifications:

1. Participation in an activity appearing on the University authorized activity list.
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.

| Personal Conduct | 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.
1. During regular class periods **all students are expected to dress appropriately** in accordance with university regulations.
2. **Dress Code for Presentations**: Professional dress is expected for all design and technical presentations in class.
3. Students should **not be eating food or consuming drinks** during the discussion sessions. No food or drink is allowed in the classroom at any time.
4. **Cellular telephones are to be turned off or put on silent ring tone** during the class period. Texting is strictly prohibited during the class period.
5. **Laptops must emit no noise**.
6. **Harassment of your fellow students of any kind will not be tolerated**.

| Conduct of the Class | Please note the following rules for the conduct of the class.
1. **Class will begin at the appointed time and leave at the end of class**.
2. Students are expected to be on time and stay throughout the entire class period.
3. Lecture Notes and Handouts will be posted on Canvas or sent to your university email.

| Formatting Documents: | 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.

| Quiz Policy: | Final Projects in lieu of Quiz and Exam

| COVID-19 Campus Safety Measures | To promote public safety and protect students, faculty, and staff during the coronavirus pandemic, PVAMU has adopted policies and practices to limit virus transmission.

- **Self-reporting** – Students who test positive for COVID-19 are required to report their positive test results within 48 hours using the PVAMU Self-Reporting Form. Proof of off-campus and self-administered home test results must be sent to covid-19@pvamu.edu. Proof for self-administered home test is a picture of the test with a photo ID in the same photo.

- **Self-monitoring** – Students should follow public health guidance to help slow the spread of the virus, including being vaccinated. Students who have a fever or exhibit symptoms of COVID-19 should not participate in face-to-face instruction.

- **Face Coverings** – Face coverings (KN-95, surgical mask, etc.) are highly recommended in 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 challenging to maintain reliably.

- **Physical Distancing** – Physical distancing should be maintained between students, instructors, and others in course and course-related activities where possible.

- **Personal Illness and Quarantine** – Students required to quarantine are to participate in courses and course-related activities remotely and must not attend face-to-face course
activities. Communication with the student’s instructor for remote support will take place by
the Office of the Assistant Vice President for Academic Engagement and Success. 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 may
qualify for an excused absence. To receive an excused absence, students must provide
appropriate documentation to the Office for Student Conduct, studentconduct@pvamu.edu.

Questions – For answers regarding COVID-19 policies and/or procedures, students should refer to
www.pvamu.edu/coronavirus or email covid-19@pvamu.edu

<table>
<thead>
<tr>
<th>University Rules and Procedures:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Disability Statement</strong></td>
</tr>
<tr>
<td>(See Student Handbook):</td>
</tr>
</tbody>
</table>
| 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 that is then
resubmitted to the teacher. **Under no circumstance are you allowed to copy any part of anyone’s
work or digital drawings. Anyone or group found cheating will receive a failing grade.** |
| 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 document related to a student academic exercise. |
| **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 | The U.S. Department of Education’s Office for Civil Rights (OCR) enforces, among other statutes, Title IX of the Education Amendments of 1972. Title IX protects people from discrimination based on sex, sexual orientation, and gender identity in education programs or activities that receive federal financial assistance. This protection includes those who may be pregnant and parenting. Title IX states: “No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.” Students seeking accommodations related to pregnancy or parenting should contact the Office of Title IX for information, resources, and support at titleixteam@pvamu.edu. Additional information and/or support may be provided by the Office of Disability Services or the Office of the Dean of Students. |
| 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 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 John B. Coleman Library’s mission is to enhance the scholarly pursuit of knowledge, to foster intellectual curiosity, and to promote life-long learning through our innovative services, resources, and cultural programs, which support the Prairie View A&M University’s global mission of teaching, service, and research. It maintains library collections and access both on campus, online, and through local agreements to further the educational goals of students and faculty. Website: [https://www.pvamu.edu/library/](https://www.pvamu.edu/library/); Phone: 936-261-1500

**Academic Advising Services**
Academic Advising Services offers students a variety of services that contributes to student success and leads towards 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 help refer students to the appropriate academic support services when they are unsure of the best resource for their needs. Your faculty advisor can be identified in PantherTracks. Advisors with Academic Advising Services are available to all students. We are located across campus. Find your advisor’s location by academic major at [www.pvamu.edu/advising](http://www.pvamu.edu/advising). Phone: 936-261-5911
<p>| 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: pv <a href="mailto:tutoring@pvamu.edu">tutoring@pvamu.edu</a>; Website: University Tutoring Center. |
| Writing Center | The Writing Center provides well-trained peer tutors to assist students with writing assignments at any stage of the writing process. Tutors help students with various writing tasks from understanding assignments, brainstorming, drafting, revising, editing, researching, and integrating sources. Students have free access to Grammarly online writing assistance. Grammarly is an automated proofreading and plagiarism detection tool. Students must register for Grammarly by using their student email address. In addition, students have access to face-to-face and virtual tutoring services either asynchronously via email or synchronously via Zoom. Location: J. B. Coleman Library, Rm. 209; Phone: 936-261-3724; Website: <a href="https://www.pvamu.edu/student-success/writing-center/">https://www.pvamu.edu/student-success/writing-center/</a>; Grammarly Registration: <a href="https://www.grammarly.com/enterprise/signup">https://www.grammarly.com/enterprise/signup</a>. |
| 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: <a href="mailto:aetesting@pvamu.edu">aetesting@pvamu.edu</a>; 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 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; Website: Disability Services. |
| Center for Instructional Innovation and | 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) |</p>
<table>
<thead>
<tr>
<th>Technology Services (CIITS)</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veteran Affairs</td>
<td>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 Act. Location: Evans Hall, Rm. 102; Phone: 936-261-3563; Website: Veteran Affairs.</td>
</tr>
<tr>
<td>Office for Student Engagement</td>
<td>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: Memorial Student Center, Rm. 221; Phone: 936-261-1340; Website: Office for Student Engagement.</td>
</tr>
<tr>
<td>Career Services</td>
<td>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.</td>
</tr>
</tbody>
</table>

### Technical Considerations for Online and Web-Assist Courses:

<table>
<thead>
<tr>
<th>Minimum Hardware and Software Requirements</th>
<th>Minimum Recommended Hardware and Software:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Intel PC or Laptop with Windows 10 or later version; Mac with OS High Sierra*</td>
</tr>
<tr>
<td></td>
<td>• Smartphone or iPad/Tablet with Wi-Fi*</td>
</tr>
<tr>
<td></td>
<td>• High speed Internet access</td>
</tr>
<tr>
<td></td>
<td>• 16 GB Memory</td>
</tr>
<tr>
<td></td>
<td>• Hard drive with 500 GB storage space</td>
</tr>
<tr>
<td></td>
<td>• 15” monitor, 800x600, color or 16 bits</td>
</tr>
<tr>
<td></td>
<td>• Sound card w/speakers</td>
</tr>
<tr>
<td></td>
<td>• Microphone and recording software</td>
</tr>
<tr>
<td></td>
<td>• Keyboard &amp; mouse</td>
</tr>
<tr>
<td></td>
<td>• Most current version of Google Chrome, Safari or Firefox</td>
</tr>
</tbody>
</table>

**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

*It is advised to purchase a POC and Not a Mac as Macs are not as compatible with the digital software in use.

<table>
<thead>
<tr>
<th>Netiquette (online etiquette):</th>
<th>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: <em>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...</em></th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Support:</td>
<td>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 <a href="mailto:ciits@pvamu.edu">ciits@pvamu.edu</a>.</td>
</tr>
</tbody>
</table>
**Submission of Assignments-On Line Courses:**

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

**Grade and Evaluation**

Grades for assignments, submissions and exams will be posted within five (5) business days. 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). To view the entire list and obtain guidance, go to the NAAB website, [www.naab.org](http://www.naab.org) and access “NAAB 2020 Conditions for Accreditation.”

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

**STUDENT CRITERIA 1: Health, Safety and Welfare in the Built Environment** (Understanding Level)

**STUDENT CRITERIA 2: Professional Practice** (Understanding Level)

**STUDENT CRITERIA 3: Regulatory Context** (Understanding Level)

Understand the fundamental principles of life safety, land use, and current laws and regulations that apply to buildings & sites

**STUDENT CRITERIA 4: Technical Knowledge** (Understanding Level)

**STUDENT CRITERIA 5: Design Synthesis** (Skill Level)

**STUDENT CRITERIA 6: Building Integration** (Skill Level)

**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**

<table>
<thead>
<tr>
<th>Week One: Topic August 23-25</th>
<th>Introductions and Syllabus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignment</td>
<td><strong>CAD DRAWING ONE:</strong> TRI-PARTITE FROZEN HOMINID</td>
</tr>
<tr>
<td></td>
<td>August 22, 2022 TUTION AND FEES PAYMENT DUE DATE</td>
</tr>
<tr>
<td>LATE REGISTRATION</td>
<td>August 22-29, 2022 BEGINS AUGUST 24TH; ENDS AUGUST 26TH (FEE: $50.00)</td>
</tr>
<tr>
<td>University Events:</td>
<td>August 23-31, 2022 ATTENDANCE REPORTING PERIOD (ND/SH)</td>
</tr>
<tr>
<td>Week Two: Topic August 30-Sept. 1</td>
<td>Beginning Commands (Zoom meeting)</td>
</tr>
<tr>
<td>Assignment (s):</td>
<td><strong>CAD Drawing TWO:</strong> Lines and Polylines</td>
</tr>
<tr>
<td>Week Three: Topic September 6-8</td>
<td>Actual vs. Nominal Sizing</td>
</tr>
<tr>
<td>Assignment (s):</td>
<td><strong>CAD DRAWING THREE:</strong> Wood, Block and Brick Sizes</td>
</tr>
<tr>
<td>University Events:</td>
<td>September 5, 2022</td>
</tr>
<tr>
<td>--------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>September 7, 2022</td>
<td>CENSUS DATE (12th CLASS DAY)</td>
</tr>
<tr>
<td>September 10, 2022</td>
<td>WITHDRAWAL FROM COURSES “WITH ACADEMIC RECORD” (W) BEGINS. ENDS</td>
</tr>
</tbody>
</table>

**Week Four: Topic**  
**September 13-15**  
**Floor Plans**  
**Assignment(s):**  
**CAD DRAWING FOUR:** Contemporary Floor Plan

<table>
<thead>
<tr>
<th>University Events:</th>
<th>September 13, 2022</th>
<th>DROP FOR NON-PAYMENT OF TUITION AND FEES @ 5:00 PM.</th>
</tr>
</thead>
</table>
| September 14, 2022 | PVAMU Construction Science Career Fair  
9:00 AM- 4:00 PM held in the Fabrication Center  
**NOTE:** only sophomore and junior students with a (PREAPPROVED BY ME) bonafide resume and portfolio will be allowed to interview. |

**Week Five: Topic**  
**September 20-22**  
**Floor Plans and Elevations**  
**Assignment(s):**  
**CAD DRAWING FIVE:** Stair Section

**Week Six: Topic**  
**September 27-29**  
**Blocks and W Blocks**  
**Assignment(s):**  
**CAD DRAWING SIX:** Cardinal Elevations, north, south, east and west

**Week Seven: Topic**  
**October 4-6**  
**Elevations and AutoCAD Review**  
**Assignment(s):**  
**CAD DRAWING SEVEN:** Truss drawing: Chords and Webs-Begin Final Section  
Quiz ONE-Wednesday

| University Events: | October 8-10, 2022 | **FINAL AutoCAD Project WORK**  
**ZOOM WEEK Mid-Term Exams** |

**Week Eight: Topic**  
**October 11-13**  
**Final AutoCAD**  
**Assignment(s):**  
**Final AutoCAD Project/Begin Revit**

| University Events: | October 13-15, 2022 | **MID-TERM EXAM GRADES DUE** |

**Week Nine: Topic**  
**October 18-20**  
**Final AutoCAD Project Due Oct 19, 11:00AM**  
Student and faculty enrichment day MID-TERM  
**Assignment(s):**  
**REVIT DRAWING ONE:** Site Plan and Contours

**Week Ten: Topic**  
**October 25-27**  
**Advanced Revit Commands**  
**Assignment(s):**  
**REVIT DRAWING TWO:** Foundation, Floors, Walls and Roof Design

| University Events: | October 27, 2022 | **FINAL DATE TO APPLY FOR GRADUATION! (Ceremony participation)** |

**Week Eleven: Topic**  
**November 1-3**  
**Appliances, Components and Families and Roof**  
**Assignment(s):**  
**REVIT DRAWING THREE:** Windows, Doors, Components and Families

<table>
<thead>
<tr>
<th>University Events:</th>
<th>October 28, 2022</th>
<th>FALL 2020 GRADUATION: Application for Graduation-Degree Conferral Only Begins. (NO ceremony participation or name listed in program.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 2, 2022</td>
<td><strong>FINAL DAY TO WITHDRAW FROM COURSES “WITH RECORD (“W”) ENDS</strong></td>
<td></td>
</tr>
<tr>
<td>Week Twelve: Topic <strong>November 8-10</strong></td>
<td>Sections and Details</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>----------------------</td>
<td></td>
</tr>
<tr>
<td>Assignment (s):</td>
<td>REVIT DRAWING FOUR: Sections, Elevations and Details</td>
<td></td>
</tr>
<tr>
<td>University Events:</td>
<td>November 7-11, 2022 Priority Registration Period for continuing students for Spring Semester 2021</td>
<td></td>
</tr>
<tr>
<td>Week Thirteen: Topic <strong>November 15-17</strong></td>
<td>Rendering and Animation</td>
<td></td>
</tr>
<tr>
<td>Assignment (s):</td>
<td>REVIT DRAWING FIVE: Rendering and Walk-Thru</td>
<td></td>
</tr>
<tr>
<td>University Events:</td>
<td>November 13, 2022, January 20, 2022 Registration for all other students for Spring Semester 2022</td>
<td></td>
</tr>
<tr>
<td>Week Fourteen: Topic <strong>November 22-24</strong></td>
<td>Revit Review</td>
<td></td>
</tr>
<tr>
<td>Assignment (s):</td>
<td>Final Review of all Revit Commands</td>
<td></td>
</tr>
<tr>
<td>University Events:</td>
<td>November 24, 2022 THANKSGIVING! - Have a great feast!</td>
<td></td>
</tr>
<tr>
<td>Week Fifteen Topic <strong>Nov. 29-DEC. 1</strong></td>
<td>FINAL SEMESTER Project and Portfolio</td>
<td></td>
</tr>
<tr>
<td>Assignment (s):</td>
<td>FINAL REVIT PROJECT DUE Monday Dec 5, at 5PM</td>
<td></td>
</tr>
<tr>
<td>University Events:</td>
<td>November 29, 2022 Last day of class for Fall Semester 2022! November 30-no classes Last Day to Withdraw from the University (ALL courses) December 2, 2022 FALL 2020 GRADUATION: Final date to apply for degree conferral. (No ceremony participation or name listed in program.)</td>
<td></td>
</tr>
<tr>
<td>Week Sixteen</td>
<td>December 5-7, 2022</td>
<td>FINAL EXAMINATION PERIOD</td>
</tr>
<tr>
<td></td>
<td>December 9, 2022</td>
<td>FINAL COMPACTION</td>
</tr>
<tr>
<td></td>
<td>December 10, 2022 [Saturday]</td>
<td>COMMENCEMENT-HAVE A GREAT HOLIDAY!</td>
</tr>
<tr>
<td></td>
<td>December 9, 2022</td>
<td>FINAL GRADES FOR GRADUATION CANDIDATES DUE BY 12:00 PM!</td>
</tr>
</tbody>
</table>
STATEMENT OF AGREEMENT

INTRODUCTIONS:

1. What is your definition of Architecture?

__________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________

2. Where do you see yourself in 5 years?

__________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________

3. Who is your favorite Architect?

__________________________________________________________________________________

I __________________________________________ have read the Course Syllabus for Computer Aided Design - ARCH 1315 P02 for the Fall Semester 2022 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