



**PRAIRIE VIEW  
A&M UNIVERSITY**



**PRAIRIE VIEW A&M UNIVERSITY  
SCHOOL OF ARCHITECTURE**  
Design your future @ [pvamu.edu/soa](http://pvamu.edu/soa)

# SYLLABUS

**Course Title:** **ARCHITECTURAL TECHNOLOGY**

**Course Prefix:** **ARCH** **Course No.:** **2312** **Section No.:** **Z01/Z02**



*"Less is more, more is bore."*

## School of Architecture

Department: ☒ Architecture  
☒ Construction Science  
☐ Art  
☐ Digital Media Art  
☐ Community Development

**Class Meeting Days & Times:** Z01 - Tuesdays 6:30-8:50 PM  
Z02 - Thursdays 6:30-8:50 PM

**Catalog Description:** 3 Credit semester hours. Introduction to the properties and uses of natural and manufactured building materials and the effect of the nature of materials upon design.

**Prerequisites:** None

**Co-requisites:**

**Mode of Instruction:** ☐ Face-to-face ☒ On-line (*This is a synchronous online course*) ☐ Hybrid

**Instructor:** Joe Fong, RA, NCARB, RID, BPAC, LEED AP (BD+C)  
Adjunct Professor

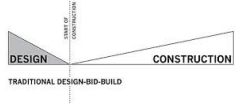
**Office Location:** School of Architecture, Prairie View A&M University  
Room 247

**Office Telephone:** (936) 261-9800

**Email Address:** [jcfong@pvamu.edu](mailto:jcfong@pvamu.edu)

<b>U.S. Postal Service Address:</b>	Prairie View A&M University P.O. Box 519 Mail Stop 2100 Prairie View, TX 77446
<b>Office Hours:</b>	BY APPOINTMENT ONLY. Students are advised to make appointments with the professor ahead of time and be specific with the subject matter to be discussed. Students must prepare for their appointment by having all applicable materials and information submitted to the instructor prior to the meeting.
<b>Virtual Office Hours:</b>	
<b>Required Text:</b>	<u>Fundamentals of Building Construction: Materials and Methods (7th Edition or newer); Author: Edward Allen; Publisher: John Wiley &amp; Sons, Inc.</u>
<b>Optional Text:</b>	<u>Building Codes Illustrated; A Guide to Understanding the International Building Code; Authors: Francis D. K. Ching and Steven R. Winkel, FAIA; Publisher: John Wiley &amp; Sons, Inc.; ISBN: 0-471-09980-5</u> <u>Construction of Architecture; From Design to Built; Author: Ralph W. Liebing, RA, CSI; Publisher: John Wiley &amp; Sons, Inc. ISBN: 978—0-471-78355-8</u> <u>Sustainable Construction; Green Building Design and Delivery (2<sup>nd</sup> Edition) ; Author: Charles J. Kibert; Publisher: John Wiley &amp; Sons, Inc.; ISBN: 9778-0-470-11421-6</u>
<b>Recommended Text/Readings:</b>	

### Course Goals and Overview:

	Arch-2312 will focus on basic building construction materials and methods encountered in professional practice. The primary emphasis (goal) is to help you to understand the architect's role in selecting and the general contractor's use of the appropriate materials. The student should improve their understanding of the technical aspects involved with project design and construction. Students are required to have additional support in the Fabrication Center for their assignments and projects. All the students are required to complete basic safety training and machine training before working at the Fabrication Center. This is a synchronous online course and all students must attend the class on time.
---	--

### Course Outcomes/Learning Objectives :

At the end of this course, the students will:

No.	Learning Objectives	Core Curriculum Outcome Alignment
2312.1	Classify various construction material properties on how they should be selected and their proper use	
2312.2	Describe the impact of technology on architectural design and construction process	
2312.3	Compare and explain the definitions of construction terminology in architectural development	
2312.4	Demonstrate the construction process with integrated design system	
2312.5	Prepare for future job opportunities after graduation	

### Course Requirements & Evaluation Methods

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

- **Assignments/Papers/Exercises:** Written assignments designed to supplement and reinforce course material
- **Exams:** Written tests designed to measure knowledge of presented course material
- **Projects:** Assignments designed to measure the ability to apply presented course material
- **Class Attendance/Participation and Discussion Boards:** Daily attendance and participation in class discussions

#### Grading Matrix

Instrument	Value (points or percentages)	Total
Assignments	5 reports at 10 points each	50
Exams	3 exams at 10 points each	30
Class Attendance/Participation	10 points	10
Final Presentation	10 points	10
<b>Total:</b>		<b>100</b>
Additional Credit/Bonus	10 points on additional research	
<b>Total:</b>		<b>100</b>
<b>Grade Determination:</b> Students can expect feedback and grading of assignments and exams at 7pm by the 3 day of submission, unless otherwise noted.	A = 90-100 points B = 80–89 points C = 70–79 points D = 60–69 points; F = 59 points or below  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 non-attendance) 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	
<b>Grade Grubbing:</b>	<p>‘Grade grubbing’ is a new term that has come about due to students bothering, harassing, or pestering their instructors over grades when the fault for performance lies with the student. This sort of behavior has no place in this institution of higher learning. Forcing instructors to compromise their ethics with threatening requests or any requests to inflate grades is an unfair responsibility placed on the instructor and a poor reflection on the student. This behavior is rude, offensive and wastes the instructor's time.</p> <p><b>Examples:</b></p> <ul style="list-style-type: none"><li>• “Rounding up my grade will help my GPA.”</li><li>• “I need a passing grade to keep my scholarship.”</li><li>• “I need a passing grade to get off of academic probation/suspension.”</li><li>• “Can you give me a few points to get a higher grade?”</li><li>• “I understand that you don’t accept late work, but I did the assignment or my part of the group project, can you please make an exception?”</li><li>• “I know you do not offer extra credit, but can I write an essay to bring up my grade?”</li><li>• “I misunderstood the instructions. Can I still turn in my assignment late?”</li><li>• “I was wondering if there is anything I can do to bring up my grade, I am so close to an A.”</li><li>• “I need a passing grade to graduate/get into medical school.”</li><li>• “My grade should be rounded up because I worked hard, came to every class, and never missed assignments.”</li><li>• “If I do not get a passing grade, I will be in trouble with my parents.”</li></ul> <p>Wearing down the instructor by arguing, begging, and pleading to possess academic expectations without taking personal responsibility is harassment, disrespectful, and inappropriate and will be reported to the Office of Student Conduct.</p>	
<b>Course Procedures:</b> <i>Edit to comply with your course.</i>		
<b>CANVAS</b>	CANVAS 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.	

<b>Class Attendance Policy (See Catalog for Full Attendance Policy)</b>	<p>Prairie View A&amp;M University requires regular class attendance. Attending all classes supports the 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 the internet. Excessive absenteeism, whether excused or unexcused, may result in a student's course grade being reduced or in the assignment of a grade of "F". Absences are accumulated beginning with the first day of class during regular semesters and summer terms. Each faculty member will include the University's attendance policy in each course syllabus.</p>
<b>Instructor's Attendance and Participation Policy</b>	<p>Prairie View A&amp;M University requires regular class attendance. Attending all classes supports the 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 the internet. Absences are accumulated beginning with the first day of class during regular semesters and summer terms. If you fail to submit the weekly tasks when due, you will be marked absent for that week.</p> <p>Participation and absences are accumulated beginning with the first day of class on <b>August 21, 2023</b>. If you do not come to class, you may assume that you have received zero (0) points for the class period unless you have a university-approved excuse in one of the following classifications:</p> <ol style="list-style-type: none"> <li>1. Participation in an activity appearing on the University authorized activity list.</li> <li>2. Death or major illness in a student's immediate family.</li> <li>3. Illness of a dependent family member.</li> <li>4. Participation in legal proceedings that requires a student's presence.</li> <li>5. Religious holy day.</li> <li>6. Confinement because of illness.</li> <li>7. Required participation in military duties.</li> </ol> <p><u>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. There will be NO exceptions to this rule. This includes student-athletes who are to provide university forms for reporting absences to participate in approved competitions. Emails will not be accepted to clear these absences. After that, the involvement grade stands. If you have another reason other than these seven for being absent, you may submit a memorandum with supporting documentation requesting that the absence be removed from your record for ONE WEEK AFTER THE ABSENCE HAS OCCURRED. There will be NO exceptions to this rule. All requests will be reviewed and approved or disapproved based on the justification that you provide in your memorandum. While other reasons for being absent are rarely approved, it is understood that you might feel that there is a higher priority that requires you to miss class. In accepting your decision to miss class, you must also be willing to accept the instructor's decision not to award you involvement points for the class or classes that are missed.</u></p>
<b>Personal Conduct</b>	<p>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. Any conduct construed to interfere with the learning opportunities of members of the class may result in the removal of the student from the class for that day. Repeated inappropriate conduct will result in permanent removal from the class. Based upon the fact that you are preparing for professional employment, you are expected to adhere to the following specific guidelines:</p> <ol style="list-style-type: none"> <li>1. During regular class periods, <u>all students are expected to dress appropriately</u> in accordance with university regulations so that no disruptions in the learning experience will occur.</li> <li>2. <u>No hats or caps will be allowed to be worn in the classroom during class sessions.</u> If you elect to wear a hat or cap during the lectures or class discussions, your decision will be respected. However, you should also respect the instructor's decision not to award you daily participation points based upon that decision.</li> <li>3. <u>Dress Code for Presentations:</u> Professional dress is expected for all design and technical presentations in class. Failure to adhere to the guidelines posted by the</li> </ol>

	<p>instructor will result in a deduction of ten percent (10%) from your final presentation score.</p> <ol style="list-style-type: none"> <li>Students should <u>not be eating food or consuming drinks</u> during the discussion sessions. No food or drink is allowed in the classroom at any time.</li> <li><u>Cellular telephones are to be turned off or put on silent ring tone</u> during the class period. Texting is strictly prohibited during the class period. No "earphone" units will be allowed. If your cell phone rings during the lecture or you are texting, you are subject to losing all participation points for that class period.</li> <li><u>Laptops must emit no noise.</u> Make sure your laptop is warmed up and your battery is charged before class starts. A laptop is allowed only for taking notes or accessing relevant course material during the class. Checking email, playing a game, messaging and other non-class related activities are not allowed at any time.</li> <li><u>Harassment</u> of your fellow students of any kind will not be tolerated.</li> </ol>
<b>Conduct of the Class</b>	<p>Please note the following rules for the conduct of the class.</p> <ol style="list-style-type: none"> <li><u>Class will begin at the appointed time.</u></li> <li><u>Class is dismissed when so indicated by the instructor.</u> Students are expected to be on time and stay throughout the entire class period. Leaving the classroom presentation or discussion board before the class is dismissed without prior approval from the instructor will result in a loss of participation in that class.</li> <li><u>Lecture Notes and Handouts</u> will be posted on Canvas or sent to your official university email. Handouts distributed during a class period will not be distributed at any other time. It is the student's responsibility to get a copy from another student or source.</li> </ol>
<b>Formatting Documents:</b>	Microsoft Word is the standard word processing tool used at PVAMU. If you are using other word processors, be sure to save the document in either Microsoft Word, Rich-Text, or plain text format.
<b>Exam Policy:</b>	<b>Exams and quizzes will be announced online via Canvas as scheduled.</b> Exams should be taken as scheduled. No makeup examinations will be allowed except under documented emergencies (See Student Handbook).
<b>Professional Organizations and Journals</b>	
<b>References</b>	
	<b>Student Support and Success</b>
<b>Student Support and Success</b>	<p>John B. Coleman Library</p> <p>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 and research through our innovative services, resources, and cultural programs, which support the Prairie View A&amp;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. <a href="#">Library Website</a> Phone: 936-261-1500</p>
<b>Academic Advising Services</b>	<p>Academic Advising Services offers students various services that contribute to student success and lead toward graduation. We assist students with understanding university policies and procedures that affect academic progress. We support the early alert program to help students connect 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. Faculty advisors support some students in their respective colleges. Your faculty advisor can be identified in PantherTracks. Advisors within Academic Advising Services are available to all students. We are located across campus. Find your advisor's location by academic major on the <a href="#">advising website</a>. 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 are offered face-to-face in the UTC and virtually in online sessions. Other support services available for students include Supplemental Instruction, Study Breaks, Academic Success Workshops, and Algebra Study Jam. Location: J. B. Coleman Library, Rm. 307; Phone: 936-261-1561; Email: <a href="mailto:pvtutoring@pvamu.edu">pvtutoring@pvamu.edu</a> ; <a href="#">University Tutoring Website</a>
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; <a href="#">Writing Center Website</a> , <a href="#">Grammarly Registration</a>
Panther Navigate	Panther Navigate is a proactive system of communication and collaboration between faculty, academic advisors, and students that is designed to support student success by promptly identifying issues and allowing for intervention. Panther Navigate helps students by providing a central location to schedule advising appointments, view campus resources, and request assistance. Students who recognize that they have a problem that negatively affects their academic performance or ability to continue school may self-refer an academic early alert. To do so, students will log in to Canvas and click on Student Alerts on the left sidebar within a course. Students also have the option to download the Navigate Student app. Phone: 936-261-5902; <a href="#">Panther Navigate Website</a>
Student Counseling Services	The Student Counseling Services 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 assists 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, 2 <sup>nd</sup> floor; Phone: 936-261-3564; <a href="#">Health &amp; Counseling Center Website</a>
Office of Testing Services	The Office of Testing Services serves to facilitate and protect the administration of educational and professional exams to aid students, faculty, staff, and the community in their academic and career goals. We provide proctoring services for individuals who need to take exams for distance or correspondence courses for another institution, exams for independent study courses, or make-up exams. In order for a proctored exam to be administered by our office, the instructor of the course must first submit the online PVAMU Testing Services – Test Proctoring Form (this form can only be completed by the instructor) to the Office of Testing Services 72 hours prior to the first exam being administered. Once the Test Proctoring Form has been submitted, the instructor will inform their testers so they can then register for an appointment with our office on one of the selected proctored exam test dates within the testing window for the exam and pay the applicable fees. To access the OTS – Test Proctoring Form, to schedule a proctored exam appointment, or to find more information about our proctoring services, please visit the <a href="#">OTS – Proctoring Service website</a> . Location: Wilhelmina Delco, 3 <sup>rd</sup> Floor, Rm. 305; Phone: 936-261-3627; Email: <a href="mailto:aetesting@pvamu.edu">aetesting@pvamu.edu</a> ; <a href="#">Testing Website</a>

<b>Office of Diagnostic Testing and Disability Services</b>	<p>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 hard and software, adapted furniture, proctoring 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; <a href="#">Disability Services Website</a></p>
<b>Center for Instructional Innovation and Technology Services (CIITS)</b>	<p>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 classes in the traditional manner. CIITS supports student learning through online, hybrid, web-assist, and 2-way video course delivery. For more details and contact information, visit <a href="#">CIITS Student Website</a>. Phone: 936-261-3283 or email: <a href="mailto:ciits@pvamu.edu">ciits@pvamu.edu</a>.</p>
<b>Veteran Affairs</b>	<p>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; <a href="#">Veteran Affairs Website</a></p>

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: Memorial Student Center, Rm. 221; Phone: 936-261-1340; <a href="#">Student Engagement Website</a>
Center for Careers & Professional Development	This center supports students through professional development, career readiness, and placement and employment assistance. The center provides one-on-one career coaching, interview preparation, resume and letter writing, 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 center website for information regarding services provided. Location: Anderson Hall, 2 <sup>nd</sup> floor; Phone: 936-261-3570; <a href="#">Center for Careers &amp; Professional Development Website</a>
	<b>University Rules and Procedures</b>
Academic Misconduct	<p>Academic dishonesty is defined as any form of cheating or dishonesty that has the effect or intent of interfering with any academic exercise or fair evaluation of a student's performance. The college faculty can provide additional information, particularly related to a specific course, laboratory, or assignment.</p> <p>You are expected to practice academic honesty in every aspect of this course and all other courses. Make sure you are familiar with the <i>University Administrative Guidelines on Academic Integrity</i>, which can be found on the <a href="#">Academic Integrity webpage</a>. Students who engage in academic misconduct are subject to university disciplinary procedures. As listed in the <i>University Administrative Guidelines on Academic Integrity</i>, the University Online Catalog, and the Student Code of Conduct, the following are examples of prohibited conduct. This list is not designed to be all-inclusive or exhaustive. In addition to academic sanctions, any student found to have committed academic misconduct that is also a violation of criminal law may also be subject to disciplinary review and action by the Office of Student Conduct (as outlined in the Student Code of Conduct).</p>



Forms of Academic Dishonesty:	<ol style="list-style-type: none"> <li>1. <u>Cheating</u>: 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;</li> <li>2. <u>Plagiarism</u>: 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;</li> <li>3. <u>Collusion</u>: When more than one student or person contributes to a piece of work that is submitted as the work of an individual;</li> <li>4. <u>Conspiracy</u>: Agreeing with one or more persons to commit an act of academic/scholastic dishonesty; and</li> <li>5. <u>Multiple Submission</u>: 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.</li> </ol>
PVAMU's General Statement on the Use of Generative Artificial Intelligence Tools in the Classroom	<p>Generative Artificial Intelligence (GAI), specifically foundational models that can create writing, computer code, and/or images using minimal human prompting, are increasingly becoming pervasive. Even though ChatGPT is one of the most well-known GAI's currently available, this statement includes any and all past, current, and future generations of GAI software. Prairie View A&amp;M University expects that all work produced for a grade in any course, be it face-to-face or virtual, will be the sole product of a student's endeavors to meet those academic goals. However, should an instructor permit their students to use artificial intelligence as a resource or tool, students must not substitute the substance of their original work with the results of using such GAI tools. This clearly violates the <a href="#">University's Administrative Guidelines on Academic Integrity</a> and its underlying academic values.</p>
Nonacademic Misconduct	<p>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 ability 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. The Office of Student Conduct will adjudicate such incidents under nonacademic procedures.</p>

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 ( <a href="mailto:titleixteam@pvamu.edu">titleixteam@pvamu.edu</a> ) 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, Dr. Zakiya Brown, at 936-261-2144 or <a href="mailto:titleixteam@pvamu.edu">titleixteam@pvamu.edu</a> . More information can be found at <a href="#">Title XI Website</a> , including confidential resources available on campus.
Protections and Accommodations for Pregnant and Parenting Students	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 <a href="mailto:titleixteam@pvamu.edu">titleixteam@pvamu.edu</a> . 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 Harrington Science Building, Suite 109, or by phone at 936-261-1744 or 1792.
Class Attendance Policy (See the University Online Catalog for Full Attendance Policy)	Prairie View A&M University requires regular class attendance. Attending all classes supports the 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 the Internet. Excessive absenteeism, whether excused or unexcused, may result in a student's course grade being reduced or in the assignment of a grade of "F." Absences are accumulated beginning with the first day of class during regular semesters and summer terms. Each faculty member will include the University's attendance policy in each course syllabus.
Makeup Work for Legitimate Absences	Prairie View A&M University recognizes that there are a variety of legitimate circumstances in which students will miss coursework and that accommodations for makeup work will be made. If a student's absence is <b>excused</b> , the instructor must either provide the student an opportunity to make up any quiz, exam, or other work contributing to the final grade or provide a satisfactory alternative by a date agreed upon by the student and instructor. Students are encouraged to work with instructors to complete makeup work before known scheduled absences (University-sponsored events, administrative proceedings, etc.). Students are responsible for planning their schedules to avoid excessive conflicts with course requirements.

<p><b>Absence Verification Process</b></p>	<p>All non-athletic absences (e.g., Medical, Death/Funeral, Court/Legal-related, etc.) for which a student seeks to obtain a valid excuse must be submitted to the Dean of Students/Office of Student Conduct, with supporting documentation, for review and verification. Please use the <a href="#">Online Reporting Forms</a> to access/complete/submit the <i>Request for a University Excused Absence</i> form for an excuse. Upon receipt, a staff member will verify the documentation and provide an official university excuse, if applicable. The student is responsible for providing the official university excuse issued by the Office for Student Conduct to the professor(s). Questions should be directed to the Dean of Students via email: <a href="mailto:deanofstudents@pvamu.edu">deanofstudents@pvamu.edu</a> or phone: (936) 261-3550 or Office for Student Conduct via email: <a href="mailto:studentconduct@pvamu.edu">studentconduct@pvamu.edu</a> or phone: (936) 261-3524.</p>
--	---

Student Academic Appeals Process	Authority and responsibility for assigning grades to students rest 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 Online Catalog and by doing so within thirty days of receiving the grade or experiencing any other problematic academic event that prompted the complaint
Technical Considerations	<p><b>Minimum Recommended Hardware and Software:</b></p> <ul style="list-style-type: none"> <li>• Intel PC or laptop with Windows 10 or later version; Mac with OS Catalina</li> <li>• Smartphone or iPad/tablet with wi-fi*</li> <li>• High-speed internet access</li> <li>• 8 GB memory</li> <li>• Hard drive with 320 GB storage space</li> <li>• 15" monitor, 1024 x 768, color</li> <li>• Speakers (internal or external)</li> <li>• Microphone and recording software</li> <li>• Keyboard &amp; mouse</li> <li>• Most current version of Google Chrome, Safari, or Firefox</li> </ul> <p><b>Note:</b> Be sure to enable Java &amp; pop-ups in the web browser preferences</p> <p>* Some courses may require remote proctoring. At this time only Chromebooks, laptops, and desktops running Windows or Mac work with our proctoring solution, but iPads are not compatible. Most other applications will work with Android or Apple tablets and smartphones.</p> <p><b>Participants should have a basic proficiency of the following computer skills:</b></p> <ul style="list-style-type: none"> <li>• Sending and receiving email</li> <li>• A working knowledge of the Internet</li> <li>• Microsoft Word (or a program convertible to Word)</li> <li>• Acrobat PDF Reader</li> <li>• Windows or Mac OS</li> <li>• Video conferencing software (Zoom)</li> </ul>
<i>Netiquette</i> (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 discussion boards. Foul or abusive language will not be tolerated. Do not use ALL CAPS for communicating to others AS IT CAN BE INTERPRETED AS YELLING. Avoid slang terms such as "wassup?" and texting abbreviations such as "u" instead of "you." Limit and possibly avoid the use of emoticons. Be cautious when using humor or sarcasm as tone is sometimes lost in an email or discussion post, and the message might be taken seriously or sound offensive.
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. Ensure you dress appropriately and avoid using high traffic or noisy areas. Stay muted when you are not speaking and avoid eating/drinking during the session. Before the class session begins, test audio, video, and lighting to alleviate technology issues.
Technical Support	<p>Students should go to <a href="#">Password Reset Tool</a> 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 at 936-261-3283 or email ciits@pvamu.edu.</p> <p>Communication Expectations and Standards</p> <p>Emails or discussion postings will receive a response from the instructor, usually in less than 48 hours. Urgent emails should be marked as such. Check regularly for responses.</p>

Discussion Requirement	<p>Online courses often require minimal to no face-to-face meetings. However, conversations about the readings, lectures, materials, and other aspects of the course can occur in a seminar fashion. The use of the discussion board will accomplish this. The instructor will determine the exact use of discussion boards.</p> <p><b>It is strongly suggested</b> that students type their discussion postings in a word processing application such as Word and save it to their PC or a removable drive before posting to the discussion board. This is important for two reasons: 1) If for some reason your discussion responses are lost in your online course, you will have another copy; 2) Grammatical errors can be greatly minimized by the use of the spell-and-grammar check functions in word processing applications. Once the post(s) have been typed and corrected in the word processing application, copy and paste to the discussion board.</p>
COVID-19 Campus Safety Measures	<p>In accordance with the latest guidelines from the PVAMU Health Services, the following measures are in effect until further notice.</p> <ul style="list-style-type: none"> <li>• Students who are ill will be asked to adhere to best practices in public health, such as masking, handwashing, and social distancing, to help reduce the spread of illness across campus.</li> <li>• Mandatory self-reporting will no longer be required by students. Students will be responsible for communicating with their professors regarding COVID, similarly to any other illness.</li> <li>• There will be no mandatory isolation. Students who are too ill to engage in classroom activities will be responsible for securing the appropriate documentation to support the absence.</li> <li>• Students who self-isolate will be responsible for communicating with their professors and securing an excuse from Student Conduct.</li> <li>• All students will have access to <a href="https://timelycare.com/pvamu">TimelyCare</a>, a telehealth platform that provides virtual medical care 24/7 and by appointment in the Student Health Clinic. Students are encouraged to enroll with TimelyCare at the beginning of the semester, at <a href="https://timelycare.com/pvamu">timelycare.com/pvamu</a>.</li> <li>• Students will have access to COVID testing in the Student Health Clinic by appointment. Testing is for students who are symptomatic ONLY.</li> </ul>
Grade and Evaluation	<p><b>Grades for assignments, submissions, and exams will be posted within five (5) business days from the due date.</b> You will be notified if those circumstances change. Responses will usually provide a grade and written feedback as well.</p> <p><b>Emails will be responded to via email within 24 hours Monday-Friday before 5:00 PM.</b> There will not be a response to emails asking about the class discussion (check your weekly schedule).</p> <p>Please send all correspondences to the instructor's Canvas portal. Do not send any course materials, assignments, questions, or any email(s) to the instructor's PV's webmail Outlook account. This method will allow the instructor to track you and all correspondences to better serve your needs in a timely manner.</p>













ACCREDITATION/ASSESSMENT CRITERIA Table No. 1-NAAB CRITERIA				
This course is structured to assist the student in meeting the following criteria shown in <b>Table No. 1</b> as established by the National Architectural Accreditation Board (NAAB). To view the entire list and obtain guidance, go to the NAAB website, <a href="http://www.naab.org">www.naab.org</a> , and access "NAAB 2020 Conditions for Accreditation."				
Performance Criteria:	Skill ☑	Understanding ☑	Course Learning Outcomes Competencies (T, R, I)	
			T Taught	R Reinforced I Utilized/






					Integrated
<b>STUDENT CRITERIA 1: Health, Safety and Welfare in the Built Environment (Understanding Level)</b>					
1.1. Building Envelope Systems and Assemblies (Understanding)		<input checked="" type="checkbox"/>	T		
1.2. Building Materials and Assemblies (Understanding)		<input checked="" type="checkbox"/>	T		
<b>STUDENT CRITERIA 2: Professional Practice (Understanding Level)</b>					
2.1. Legal Responsibilities (Understanding)		<input checked="" type="checkbox"/>	T		
2.2. Professional Conduct (Understanding)		<input checked="" type="checkbox"/>	T		
2.3. Professional Communication Skills (Ability)		<input checked="" type="checkbox"/>		R	
<b>STUDENT CRITERIA 3: Regulatory Context (Understanding Level)</b>					
3.1. Codes and Regulations (Ability)	<input checked="" type="checkbox"/>			R	
3.2. Technical Documentation (Ability)	<input checked="" type="checkbox"/>			R	
<b>STUDENT CRITERIA 4: Technical Knowledge (Understanding Level)</b>					
4.1. Structural Systems (Ability)	<input checked="" type="checkbox"/>		T		
<b>STUDENT CRITERIA 5: Design Synthesis (Skill Level)</b>					
5.1. Professional Communication Skills (Ability)		<input checked="" type="checkbox"/>		R	
<b>STUDENT CRITERIA 6: Building Integration (Skill Level)</b>					
6.1 Integrated Evaluations and Decision-Making Design Process (Ability)		<input checked="" type="checkbox"/>	T		
















ACCREDITATION/ASSESSMENT CRITERIA TABLE No. 2: ACCE CRITERIA				
This course is structured to assist the student in meeting the following criteria shown in <b>Table No. 2</b> as established by the American Council for Construction Education (ACCE) <i>Standards and Criteria for Accreditation</i> . To view the entire list, go to the ACCE website, <a href="http://www.acce-hq.org">www.acce-hq.org</a> , and view the "Accreditation Procedures."				
Course Learning Outcomes:	Competencies (T, R, I)			ACCE
	T Taught	R Reinforced	I Utilized/ Integrated	A Assessed
1. Create <b>written communications</b> appropriate to the construction discipline.	T			
2. Create <b>oral presentations</b> appropriate to the construction discipline.	T			
3. Create a construction <b>project safety plan</b> .				
4. Create construction <b>project cost estimates</b> .				
5. Create construction <b>project schedules</b> .				
6. Analyze professional decisions based on <b>ethical principles</b> .				
7. Analyze <b>methods, materials, and equipment</b> used to construct projects.	T			
8. Apply <b>electronic-based technology</b> to manage the construction process.				
9. Apply basic <b>surveying techniques</b> for construction layout and control.				
10. Understand different <b>methods of project delivery</b> and the roles and responsibilities of all constituencies involved in the design and construction process.				
11. Understand <b>construction accounting and cost control</b> .				
12. Understand <b>construction quality assurance and control</b> .				
13. Understand <b>construction project control</b> processes.				


















14. Understand the <b>legal implications</b> of contract, common, and regulatory law to manage a construction project.				
15. Understand the basic principles of <b>sustainable construction</b> .	T			
16. Understand the basic principles of <b>structural behavior</b> .	T			
17. Understand the basic principles of <b>mechanical, electrical, and piping</b> systems.				

COURSE OUTLINE: EVENT AND LECTURE SCHEDULE			
This schedule is subject to change as the semester proceeds in order to cover the most important material in the time allotted. Any revisions will be duly noted and announced in class. All referenced readings are taken from the required text.			
	Registration/Assembly Dates		Dates exam scores will be posted
	Key Dates		Holidays
	Graduation Applications		Guest lectures
	Dates for Exams		Project Team Workshop
	Proctored Exams		Class Sessions using ZOOM or teleconference technology
	Lecture Completed		Lecture Notes, Assignments, or Articles posted to CANVAS

16 WEEK CALENDAR		
Insert general topics and assignments. ⬇		
<b>Week One:</b> Topic <b>August 21-25, 2023</b>	Describing the Properties of Materials & The Project Team	
Chapter (s):	<ul style="list-style-type: none"> <li>• Read Textbook – Chapter 1</li> <li>• Review Lecture Segment # 1 &amp; 2</li> </ul>	
Assignment (s):		
	August 21, 2023	TUITION AND FEES PAYMENT DUE DATE @ 5:00 PM
	August 22-29, 2022	LATE REGISTRATION (FEE: \$50.00)
University Events: 	August 21-30, 2023	 ATTENDANCE REPORTING PERIOD (ND/SH). Students who do not attend class during this period will have their courses removed and financial aid reduced or cancelled.
<b>Week Two:</b> Topic <b>August 28-September 1, 2023</b>	Explaining the meaning of Specifications & how it goes with Building System	
Chapter (s):	<ul style="list-style-type: none"> <li>• Read Textbook – Chapter 1</li> <li>• Review Lecture Segment # 3 &amp; 4</li> </ul>	
Assignment (s):	Summary Report (#1) on the Lecture Segments # 1 to 4 due on Sept 3 - 11:59pm	
University Events: 	September 1, 2023	Financial Aid Refunds Begin
<b>Week Three:</b> Topic <b>September 4-8, 2023</b>	Defining what is Concrete and is used in Foundation	
Chapter (s):	<ul style="list-style-type: none"> <li>• Read Textbook – Chapter 2, 13</li> <li>• Review Lecture Segment # 5 - 7</li> </ul>	
Assignment (s):		

<b>University Events:</b>	September 4, 2023 [Monday]	 <b>LABOR DAY</b> (University Closed; subject to TAMUS Board of Regents)
	September 6, 2023 [Wednesday]	 <b>CENSUS DATE (12<sup>TH</sup> CLASS DAY)</b> <b>FINAL DAY TO DROP/WITHDRAW FROM COURSE(S) WITHOUT ACADEMIC RECORD</b>
	September 7, 2023 [Thursday]	<b>/WITHDRAW FROM COURSE(S) WITH ACADEMIC RECORD ("W"0 BEGINS</b>
<b>Week Four: Topic</b> <b>September 11-15, 2023</b>	<b>Defining what is Concrete and is used in Foundation, Exam Review, Exam #1</b>	
Chapter (s):	<ul style="list-style-type: none"> <li>• Read Textbook – Chapter 2, 13</li> <li>• Review Lecture Segment # 1 - 7</li> </ul>	
Assignment (s):	<b>Summary Report (#2) on the Lecture Segments # 5 to 7 due on Sept 17 - 11:59pm</b>	
<b>University Events:</b> 	September 12, 2023 [Tuesday]	 <b>DROP FOR NON-PAYMENT OF TUITION AND FEES @ 5:00 PM.</b>
	September 13, 2023 [Wednesday] 9:00 am-4:00 pm	<b>PVAMU Architecture + Construction Science Career Fair</b>  
<b>Week Five: Topic</b> <b>September 18-22, 2023</b>	<b>Comparing Metals and Steel properties</b>	
Chapter (s):	<ul style="list-style-type: none"> <li>• Read Textbook – Chapter 11, 12</li> <li>• Review Lecture Segment # 8</li> </ul>	
Assignment (s):		
<b>University Events:</b> 	September 18, 2023 [Monday]	 <b>CENSUS DATE (20<sup>th</sup> CLASS DAY)</b>
	September 20, 2023 [Tuesday]	<b>WITHDRAWAL FROM COURSES "WITH ACADEMIC RECORD" (W) BEGINS.</b>
<b>Week Six: Topic</b> <b>September 25-29, 2023</b>	<b>Steel – The Manufacturing Process and Case Study</b>	
Chapter (s):	<ul style="list-style-type: none"> <li>• Read Textbook – Chapter 12</li> <li>• Review Lecture Segment # 9 - 10</li> </ul>	
Assignment (s):		
<b>University Events:</b> 		
<b>Week Seven: Topic</b> <b>October 2-6, 2023</b>	<b>Demonstrating wood framing procedure and its connection to concrete</b>	
Chapter (s):	<ul style="list-style-type: none"> <li>• Read Textbook – Chapter 3</li> <li>• Review Lecture Segment # 11 - 12</li> </ul>	
Assignment (s):	<b>Summary Report (#3) on the Lecture Segments # 8 to 12 due on Oct 8 - 11:59pm</b>	
<b>University Events:</b> 		
<b>Week Eight: Topic</b> <b>October 9-13, 2023</b>	<b>Career path (1), Exam Review, Exam #2</b>	
Chapter (s):	<ul style="list-style-type: none"> <li>• Review Lecture Segment # 8 - 12</li> </ul>	
Assignment (s):		
<b>University Events:</b> 	October 12-14, 2023 [Thursday-Saturday]	 <b>Mid-Term Exams</b>

<b>Week Nine:</b> Topic <b>October 16-20, 2023</b>	Defining Brick Masonry, Stone & Concrete Masonry as veneer and how are they applied in the construction process	
Chapter (s):	<ul style="list-style-type: none"> <li>• Read Textbook – Chapter 8, 9</li> <li>• Review Lecture Segment # 13 - 14</li> </ul>	
Assignment (s):		
University Events: 	October 16, 2023 [Monday]	 STUDENT AND FACULTY NON-CLASS DAY
	October 18, 2023 [Wednesday]	 MID-TERM EXAM GRADES DUE
<b>Week Ten:</b> Topic <b>October 23-27, 2023</b>	Define and compare the use of Glass & Glazing	
Chapter (s):	<ul style="list-style-type: none"> <li>• Read Textbook – Chapter 18</li> <li>• Review Lecture Segment # 15</li> </ul>	
Assignment (s):	Summary Report (#4) on the Lecture Segments #13 to 15 due on Oct 29 -11:59pm	
University Events: 	October 26, 2023 [Thursday]	  FALL 2023 GRADUATION: FINAL DATE TO APPLY FOR GRADUATION! (Ceremony participation)
	October 27, 2023 [Friday]	  FALL 2023 GRADUATION: Application for Graduation-Degree Conferral Only Begins. (NO ceremony participation or name listed in the program.)
<b>Week Eleven:</b> Topic <b>October 30-November 3, 2023</b>	Exterior Cladding & Testing	
Chapter (s):	<ul style="list-style-type: none"> <li>• Read Textbook – Chapter 21</li> <li>• Review Lecture Segment # 16 - 17</li> </ul>	
Assignment (s):		
University Events: 		
<b>Week Twelve:</b> Topic <b>November 6-10, 2023</b>	Windows and Doors	
Chapter (s):	<ul style="list-style-type: none"> <li>• Read Textbook – Chapter 19</li> <li>• Review Lecture Segment # 18</li> </ul>	
Assignment (s):	Summary Report (#5) on the Lecture Segments #16 to 18 due on Nov12 -11:59pm	
University Events: 	November 6, 2023 [Monday]	 Priority Registration Period for continuing students for Spring Semester 2024, including December/January Mini-Mester. (Special Populations)
	November 7, 2023 [Tuesday]	 Priority Registration Period for continuing students for Spring Semester 2024, including December/January Mini-Mester. (Masters and Seniors)
	November 8, 2023 [Wednesday]	 Priority Registration Period for continuing students for Spring Semester 2024, including December/January Mini-Mester. (Juniors)
	November 9, 2023 [Thursday]	 Priority Registration Period for continuing students for Spring Semester 2024, including December/January Mini-Mester. (Sophomores)
	November 10, 2023 [Friday]	 Priority Registration Period for continuing students for Spring Semester 2024, including December/January Mini-Mester. (Freshmen)
<b>Week Thirteen:</b> Topic <b>November 13-17, 2023</b>	Exam Review & Exam #3	
Chapter (s):	<ul style="list-style-type: none"> <li>• Review Lecture Segment # 13 - 18</li> </ul>	

Assignment (s):		
University Events: 		
<b>Week Fourteen:</b> Topic <b>November 20-24, 2023</b>	<b>Final Presentation</b>	
Chapter (s):		
Assignment (s):		
University Events: 	November 23-25, 2023 [Thursday-Saturday]	<b>THANKSGIVING (UNIVERSITY CLOSED)</b> 
<b>Week Fifteen</b> Topic <b>November 27- December 1, 2023</b>	<b>Career Path (2), Last Day of Class on 11/29</b>	
Chapter (s):		
Assignment (s):		
University Events:   	November 27, 2023 [Monday]	 <b>Final Day to Withdraw from a Course or the University ("W") for the Fall Semester 2023</b>
	November 29, 2023 [Wednesday]	 <b>Last day of class for Fall Semester 2023!</b>
	November 30, 2023 [Thursday]	 <b>Study Day (No classes in Session)</b>
	December 1-7, 2023 [Thursday-Friday]	 <b>FINAL EXAMINATION PERIOD</b>
	December 1, 2023 [Friday]	 <b>FALL 2023 GRADUATION: Final Day to Apply for Graduation-Degree Conferral Only. (NO ceremony participation or name listed in the program.)</b>
<b>Week Sixteen</b>		
	December 1-7, 2023 [Friday-Thursday]	 <b>FINAL EXAMINATION PERIOD</b>
	December 7, 2023 [Thursday]	<b>FINAL GRADES FOR GRADUATION CANDIDATES DUE BY 12:00 PM!</b>
	December 9, 2023 [Saturday]	 <b>COMMENCEMENT</b>
	December 12, 2023 [Tuesday]	<b>FINAL GRADES ARE DUE FOR ALL OTHER STUDENTS BY 11:59 PM!</b>
	December 25, 2023- January 1, 2024 [Monday-Monday]	<b>WINTER BREAK (UNIVERSITY CLOSED)</b>

In order to ensure that you have read over this entire document, you are required to sign the Statement of Agreement on the final page of the syllabus and return it at the start of the second-class period. 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.



---

**STATEMENT OF AGREEMENT**

I have read the Course Syllabus for **ARCH 2312-Z01/Z02 Fall Semester 2023**, including the Class Lecture and Event Schedule, and agree to abide by the conditions for the class as spelled out in this document. My signature indicates my personal commitment to meeting the course objectives and succeeding in this educational endeavor.

\_\_\_\_\_  
Signature-Student

\_\_\_\_\_  
Student name (Please print neatly)

\_\_\_\_\_  
Student ID #

\_\_\_\_\_/\_\_\_\_\_/2023  
Date

\_\_\_\_\_  
Signature-Instructor

\_\_\_\_\_  
Instructors name

\_\_\_\_\_/\_\_\_\_\_/2023  
Date

---

**RETURN THIS PAGE FROM THE SYLLABUS TO THE INSTRUCTOR TO COMPLETE YOUR ENROLLMENT IN THIS COURSE.**

 **RECEIVED WITH STUDENT'S SIGNATURE:** \_\_\_\_\_

☒ **ENTERED INTO GRADE BOOK:** \_\_\_\_\_

---