### Course Title: Materials and Methods I

<table>
<thead>
<tr>
<th>Course Prefix:</th>
<th>ARCH</th>
<th>Course No.:</th>
<th>2273</th>
<th>Section No.:</th>
<th>Z01</th>
</tr>
</thead>
</table>

#### School of Architecture

<table>
<thead>
<tr>
<th>Department:</th>
<th>Architecture ☑</th>
<th>Construction Science ☐</th>
<th>Art ☐</th>
<th>Community Development ☐</th>
</tr>
</thead>
</table>

#### Class Meeting Days & Times:

This class is an online course. Lectures will be hosted on Videos and linked to on Ecourse.

#### Catalog Description:

“(3-0) Credit 3 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:

NA

#### Co-requisites:

NA

#### Mode of Instruction:

☐ Face-to-face ☑ On-line ☐ Hybrid

#### Instructor:

Mahmud Hasan, PhD, PE, ASP
Adjunct Instructor

#### Office Location:

School of Architecture, Room 247

#### Office Telephone:

936-261-9800

#### Fax:

(936) 261-9826

#### Email Address:

mahasan@pvamu.edu

#### U.S. Postal Service Address:

Prairie View A&M University
P.O. Box 519
Mail Stop 2100
Prairie View, TX 77446

#### Office Hours:

Physical Office hours not available.

#### Virtual Office Hours:

Wednesday 10:20AM - 12:20PM. OTHER HOURS BY APPOINTMENT. Students are advised to make appointments with the professor ahead of time and be specific with the subject matter to be discussed. Students must be prepared for their appointment by bringing all applicable materials and information to the meeting.

#### Required Text:

Fundamentals of Building Construction: Materials and Methods; Authors: Edward Allen and Joseph Iano, Publisher: John Wiley & Sons, Inc.

#### Optional Text:

Building Construction Illustrated; Authors: Francis D. K. Ching; Publisher: John Wiley & Sons, Inc.

#### Recommended Text/Readings:

#### Learning Resources

PVAMU Library:
Telephone: (936) 261-1500;
web: http://www.tamu.edu/pvamu/library/
Use the Reference Desk at the library where the staff is eager to guide your research. They can orient you to hard copies and on-line resources.

**University Bookstore:**
Telephone: (936) 261-1990  
web: https://www.bkstr.com/Home/10001-10734-1?demoKey=d

**The Writing Center**
Telephone: (936) 261-3700  
The Writing Center’s goal is to provide a friendly, stress-free environment for students from all over campus to meet with a consultant and talk about writing of all types. They provide a responsive audience and advice from experienced writers in sessions generally lasting thirty to forty-five minutes. Sessions of this length offer time to work individually with students on any aspect of the writing process: from brain storming and drafting, to revising and proofreading. They will explore ways to improve a student’s overall writing skills. They do NOT proofread or edit for students, but instead teach proofreading and editing techniques. Their goal is to: make a better writer for the long term.

**Student Academic Success Center**
Telephone: (936) 261-1040  
Student Academic Success Center identifies academic and social roadblocks that interfere with persistence and timely graduation of PVAMU students. SASC informs campus-wide policies by staying current with retention literature and best practices. Further, SASC develops programs and services that are specifically aimed at continuing the academic success of the first year. We strive to provide PVAMU students with “Navigation to Graduation”.

**The Tutoring Center**
John B. Coleman Library in Room 209  
Telephone: (936) 261-1561  
Hours: Monday through Thursday 12 pm to 9 pm and Friday from 8 am to 5 pm.  
Email: AEtutoring@pvamu.edu  
Open to all undergraduate students enrolled for credit in targeted PVAMU courses. offers help for:
- Microeconomics, Macroeconomics  
- Management Information Systems  
- History, Government  
- Statistics, Basics – Calculus II  
- Psychology, Sociology  
- English (Basics – Freshman Comp II), Speech  
- Spanish I&II  
- Biology (Pre-Med, Pre-Nursing)  
- Chemistry (Bio & Nursing Majors)  
- Physics  
- Materials & Science

**Course Goals and Overview:**
Arch-2273 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. The course objectives are:
- To learn the critical knowledge related to how construction materials should be selected and used.  
- To understand the methods by which the general contractors and sub-contractors construct buildings.

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4443.1</td>
<td>Learn the critical knowledge related to the <strong>important role of architectural construction documents and codes</strong> in transforming design concepts into real projects.</td>
</tr>
<tr>
<td>4443.2</td>
<td>Understand the <strong>composition of construction documents</strong> (drawings, specifications and contracts) issued to the general contractor.</td>
</tr>
<tr>
<td>4443.3</td>
<td>Understand the <strong>sequencing of architectural construction documents</strong> as issued to the general contractor.</td>
</tr>
<tr>
<td>4443.4</td>
<td>Prepare a <strong>basic set of architectural construction documents</strong> for a project with emphasis on plans,</td>
</tr>
</tbody>
</table>
Course Requirements & Evaluation Methods

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

- **Homeworks**: Written homeworks designed to supplement and reinforce course material
- **Exams**: Written tests designed to measure knowledge of presented course material
- **Project**: Assignment designed to measure ability to apply presented course material
- **Class Attendance/Participation**: Daily attendance and participation in class discussions

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Value (points or percentages)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homeworks</td>
<td>Will be assigned after finishing every chapter</td>
<td>5%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>Will be announced at least a week ahead</td>
<td>25%</td>
</tr>
<tr>
<td>Project</td>
<td>Will be announced. Consists of Presentations and Reports with Project Abstract/Selection and Final Project</td>
<td>10%</td>
</tr>
<tr>
<td>Mid Term Exam</td>
<td>Will be announced at least few weeks ago</td>
<td>25%</td>
</tr>
<tr>
<td>Class Attendance/Participation</td>
<td>Will be taken every class</td>
<td>5%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Will be announced at least few weeks ago</td>
<td>30%</td>
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<tr>
<td><strong>Total:</strong></td>
<td></td>
<td>100%</td>
</tr>
</tbody>
</table>

Grade Determination:
- A = 90-100 points
- B = 80–89 points
- C = 70–79 points
- D = 60–69 points;
- F = 59 points or below

Course Procedures

**Taskstream**

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

**COMPASS**

The Center for the Oversight and Management of Personalized Academic Student Success (COMPASS) is designed to help Prairie View students in their second year and beyond navigate towards graduation by providing the following services: Academic Advisement, Targeted Tutorials for Personalized Learning, Campus-Wide Referrals, and Academic & Social Workshops. Location: J.B. Coleman Library.

**University Attendance Policy:**

Prairie View A&M University requires regular class attendance. Excessive absences will result in lowered grades. Excessive absenteeism, whether excused or unexcused, may result in a student’s course grade being reduced or assignment of a grade of “F.” Absences are accumulated beginning with the first day of class.

**Instructor’s Attendance and**

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
### Participation Policy
instructor physically present or via distance learning technologies such as interactive video and/or 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.

Participation and absences are accumulated beginning with the first day of class on **May 26, 2020** (1st 5 week session and 10 week session). 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:

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**. 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 upon 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 to not award you involvement points for the class or classes that are missed. Late Assignments without proper documentation will receive a reduced letter grade for each week that it is late.

<table>
<thead>
<tr>
<th>Personal Conduct</th>
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</thead>
<tbody>
<tr>
<td>Students and faculty are expected to conduct themselves in ways that support individual learning and the learning of others. To that end members of the classroom community will conduct themselves in a professional and ethical manner to achieve these objectives. 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:</td>
</tr>
<tr>
<td>1. During regular class periods all students are expected to dress appropriately in accordance with university regulations so that no disruptions in the learning experience will occur.</td>
</tr>
<tr>
<td>2. No hats or caps will be allowed to be worn in the classroom during class sessions. If you elect to wear a hat or cap during the lectures or class discussion, your decision will be respected. However you should also respect the instructor’s decision to not award you daily participation points based upon that decision.</td>
</tr>
<tr>
<td>3. <strong>Dress Code for Presentations</strong>: Professional dress is expected for all design and technical presentations in class. Failure to adhere to the guidelines posted by the instructor will result in a deduction of ten percent (10%) from your final presentation score.</td>
</tr>
<tr>
<td>4. Students should not be eating food or consuming drinks during the discussion sessions. is allowed in the classroom at any time.</td>
</tr>
<tr>
<td>5. 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. No “ear phone” units will</td>
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SCHOOL OF ARCHITECTURE

4
be allowed. If your cell phone rings during the lecture or you are texting you are subject to losing all participation point for that class period.

6. **Laptops must emit no noise.** Make sure your laptop is warmed up and your battery 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.

7. **Harassment** of your fellow students of any kind will not be tolerated.

8. **During Virtual ZOOM course meetings** must turn on your camera and unmute your audio when instructed by the Professor.

### Conduct of the Class

Please note the following rules for the conduct of the class.

1. **Class will begin at the appointed time.**

2. **Class is dismissed when so indicated by the instructor.** 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 for that class.

3. **Lecture Notes and Handouts** will be 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 form another student or source.

### Formatting Documents:

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 the Microsoft Word, Rich-Text, or plain text format.

### Exam Policy:

Exams & quizzes will be announced online via Canvas as scheduled. Exams should be taken as scheduled. No makeup examinations will be allowed except under documented emergencies (See Student Handbook).

### Professional Organizations and Journals

NA

### References

NA

### University Rules and Procedures

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

**Academic Misconduct (See Student Handbook):** 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 Handbook, especially the section on academic misconduct. Students who engage in academic misconduct are subject to university disciplinary procedures.

### 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 mastered; giving or receiving aid unauthorized by the instructor on assignments or examinations.

2. **Academic misconduct:** Tampering with grades or taking part in obtaining or distributing any part of a scheduled test.

3. **Fabrication:** Use of invented information or falsified research.

4. **Plagiarism:** Unacknowledged quotation and/or paraphrase of someone else’s words, ideas, or data as one’s own in work submitted for credit. Failure to identify information or essays from the Internet and submitting them as one’s own work also constitutes plagiarism.

**Nonacademic Misconduct (See Student Handbook):** 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 (See Student Handbook):** Sexual harassment of students and employers at Prairie View A&M University is unacceptable and will not be tolerated. Any member of the university community violating this policy will be subject to disciplinary action.
### 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 Undergraduate 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 for Online and Web-Assist Courses

#### Minimum Hardware and Software Requirements

- Intel PC or Laptop with Windows 7; Mac with OS X; Smartphone or iPad/Tablet with Wi-Fi
- High speed Internet access
- 8 GB Memory
- Hard drive with 320 GB storage space
- 15” monitor, 800x600, color or 16 bit
- Sound card w/speakers
- Microphone and recording software
- Most current version of Google Chrome, Safari, Internet Explorer or Firefox
- Note: Be sure to enable Cookies, Java, and Pop-ups.

**Participants should have a basic proficiency of the following computer skills:**

- Sending and receiving email
- A working knowledge of the Internet
- Proficiency in Microsoft Word (or a program convertible to Word)
- Proficiency in the Acrobat PDF Reader
- Basic knowledge of Windows or Mac O.S.

#### Netiquette (online etiquette):

Students are expected to participate in all discussions and virtual classroom chats when directed to do so. Students are to be respectful and courteous to others in the discussions. Foul or abusive language will not be tolerated. When referring to information from books, websites or articles, please use APA standards to reference sources.

During the first week of class each student will be required to acknowledge by replying to a Posting stating that you have reviewed and understand the following Online Netiquette Policy for the course.

1. **Discussion/Zoom / Webcam Behavior**
   - When in a Zoom meeting or utilizing your webcam, be sure to act and dress as professionally as you can. You should look the same as you would if we were meeting face-to-face in the instructor’s office or in class. You should be sitting up in a chair and not laying down. Consider how you might look if you were going to be interviewed for a job via Zoom. If you feel as though your behavior or appearance would reflect negatively on you during that situation you are advised against it.
   - Be properly dressed - hair bonnets, caps, pajamas, etc., will not be acceptable when attending class and participating in the discussions.
   - Be punctual
   - Be kind to each other
   - Please mute microphones when lecture is in session
   - Have fun!

2. **When posting discussions or e-mailing one another, please be respectful of what you write. Inappropriate language will not be tolerated, and the instructor has the right to determine what is inappropriate.**

   **Disrespectful students are subject to discipline or dismissal from the online learning platform for this course.**

   All activities in the classroom will follow standards set in the Student Handbook.

3. **When creating/posting images do NOT use graphics that have sexual, political or religious implications.**

   If you are unsure if a certain graphic is appropriate, email your instructor privately.

4. **Address your peer or instructor with their names for each post or email**

5. **Do not use ALL CAPS for postings or unnecessary exclamation marks, and not use text messaging-style for official assignment postings & email to the instructor.**

   Caps where
<table>
<thead>
<tr>
<th>Technical Support:</th>
<th>Students should call the Prairie View A&amp;M University Helpdesk at 936-261-2525 for technical issues accessing your online course. The helpdesk is available 24 hours a day/7 days a week. For other technical questions regarding your online course, call the Office of Distance Learning at 936-261-3290 or 936-261-3282.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canvas:</td>
<td>If you have any questions about Canvas, go to Live Chat with Canvas Support (Students) or call the Canvas support hotline at +1.844.394.2783.</td>
</tr>
<tr>
<td>Student FAQ’s</td>
<td>Information can be found at <a href="http://www.pvamu.edu/dlearning/students/student-faqs/">http://www.pvamu.edu/dlearning/students/student-faqs/</a>. For additional questions, call the Center for Instructional Innovation and Technology Services (CIITS) at (936) 261-3283 or email at <a href="mailto:ciits@pvamu.edu">ciits@pvamu.edu</a>.</td>
</tr>
<tr>
<td>Communication Expectations and Standards:</td>
<td>All emails or discussion postings will receive a response from the instructor, usually within 48 hours. Urgent emails should be marked as such. Check regularly for responses. You can send email anytime that is convenient to you, but the instructors will check their email messages continuously during the day throughout the work-week (Monday through Friday) during normal office hours. Instructors should respond to email messages during the work-week by the close of business (5:00 pm) on the day following their receipt of them. Emails received on Friday will be responded to by the close of business on the following Monday. Always treat your professor with respect and address professor's proper title: Professor, Doctor, etc. The best way to contact the instructor is through their Prairie View A&amp;M University email. All emails will be sent to your student email given through Prairie View A&amp;M University. Please do not send emails through your personal email accounts. The university's email system does not always recognize personal emails and can get lost or never delivered. You will receive a response within 48 hours during the business weekdays. Please make sure that you include your name, use clear language, dates and times you are enrolled in the class, check your spelling, grammar, punctuation, etc. Do not use all caps. It is considered yelling and inappropriate. If you need to discuss issues related to the course appointments are highly recommended.</td>
</tr>
<tr>
<td>Submission of Assignments-On Line Courses:</td>
<td>Assignments, Papers, Exercises, and Projects will be distributed and submitted through your online course. Directions for accessing your online course will be provided. Additional assistance can be obtained from the Office of Distance Learning. ASSIGNMENTS are due at the start of the class session. No late work will be accepted without proper documentation. All DISCUSSION FORUMS have two due dates – the first one is the deadline to post your substantive post (without losing credit), and the second one is to finish up with your responses. This is designed to allow ample time after everyone has answered the question for class discussion. Be sure to check the due dates on the assignment and schedule documents for each module. Last-minute posts that do not provide time for other students to respond will not be counted as “substantial” replies. This is the same as shouting as a response as you walk out of a room. Your substantive replies should be posted in time for others to respond. The final due date of the discussion is for finishing up the discussion. If you have questions about this, don’t hesitate to post in the class FAQ forum.</td>
</tr>
<tr>
<td>Grade and Evaluation</td>
<td>Grades for assignments, submissions and exams will be posted within five (5) business days from the due date. You will be notified if those circumstances change. Responses will usually provide a grade and written feedback as well. Emails will be responded via email within 24 hours Monday-Friday before 5:00 PM. There will not be a response to emails asking about the class discussion (check your weekly schedule).</td>
</tr>
</tbody>
</table>
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.

Discussion Requirement-On Line Courses:

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 take place in a seminar fashion. This will be accomplished using the discussion forum. The exact use of the discussion board will be determined by the instructor.

Students are required to log-on to the course website often to participate in discussion. It is strongly advised that you check the discussion area daily to keep abreast of discussions. When a topic is posted, everyone is required to participate. The exact use of discussion will be determined by the instructor.

When you are required to participate in the “Discussion” Forum, reply with your comments and respond to at least one of your classmates. All comments must be posted by the deadlines to receive credit. You will not receive any credit if you copy comments from readily available resources word for word (ex: online text, lectures, textbook, etc.). Last-minute posts that do not provide time for other students to respond will not be counted as “substantial” replies. This is the same as shouting as a response as you walk out of a room. Your substantive replies should be posted in time for others to respond. The final due date of the discussion is for finishing up the conversation or assignment.

It is strongly suggested that students type their discussion postings in a word processing application and save it to their computer, a removable drive, cloud storage, email, etc. before posting to the discussion forum. 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; and 2) grammatical errors can be greatly minimized using the spell-and-grammar check functions in word processing applications. Once the post(s) have been typed and corrected in the word processing application, it should be copied and pasted to the discussion board.

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, go to the NAAB website, www.naab.org and access “2014 NAAB Conditions for Accreditation.”

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

REALM A: Critical Thinking and Representation

A.1. Professional Communication Skills (Ability)  
A.2. Design Thinking Skills (Ability)  
A.3. Investigative Skills (Ability)  
A.4. Architectural Design Skills (Ability)  
A.5. Ordering Systems (Ability)  
A.6. Use of Precedents (Ability)  
A.7. History and Global Culture (Understanding)  
A.8. Cultural Diversity and Social Equity (Understanding)  

REALM B: Building Practices, Technical Skills, and Knowledge

B.1. Pre-Design (Ability)  
B.2. Site Design (Ability)  
B.3. Codes and Regulations (Ability)  
B.4. Technical Documentation (Ability)  
B.5. Structural Systems (Ability)  
B.6. Environmental Systems (Ability)  
B.7. Building Envelope Systems and Assemblies (Understanding)
B.8. Building Materials and Assemblies (Understanding)
B.9. Building Service Systems (Understanding)
B.10. Financial Considerations (Understanding)

REALM C: Integrated Architectural Solutions
C.1. Research (Understanding)
C.2. Integrated Evaluations and Decision-Making Design Process (Ability)
C.3. Integrative Design (Ability)

REALM D: Professional Practice
D.1. Stakeholder Roles in Architecture (Understanding)
D.2. Project Management (Understanding)
D.4. Legal Responsibilities (Understanding)
D.5. Professional Conduct (Understanding)

ACCREDITATION/ASSESSMENT CRITERIA TABLE 2: ACCE CRITERIA

This course is structured to assist the student meet the following criteria shown in Table No. 1 as established by the American Council for Construction Education (ACCE) Standards and Criteria for Accreditation. To view the entire list, go to the ACCE website, www.acce-hq.org and view the "Accreditation Procedures."

<table>
<thead>
<tr>
<th>Course Learning Outcomes:</th>
<th>Competencies (T, R, I)</th>
<th>ACCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Create written communications appropriate to the construction discipline.</td>
<td>T Taught</td>
<td>A</td>
</tr>
<tr>
<td>2. Create oral presentations appropriate to the construction discipline</td>
<td>R Reinforced</td>
<td></td>
</tr>
<tr>
<td>3. Create a construction project safety plan</td>
<td>I Utilized/Integrated</td>
<td></td>
</tr>
<tr>
<td>4. Create construction project cost estimates</td>
<td></td>
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<tr>
<td>5. Create construction project schedules</td>
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<tr>
<td>6. Analyze professional decisions based on ethical principles.</td>
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<tr>
<td>7. Analyze construction documents for planning and management of construction processes.</td>
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<tr>
<td>8. Analyze methods, materials, and equipment used to construct projects.</td>
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<tr>
<td>9. Apply construction management skills as a member of a multidisciplinary team.</td>
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<tr>
<td>10. Apply electronic-based technology to manage the construction process.</td>
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<tr>
<td>11. Apply basic surveying techniques for construction layout and control.</td>
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<tr>
<td>12. Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.</td>
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<tr>
<td>13. Understand construction risk management.</td>
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<tr>
<td>14. Understand construction accounting and cost control</td>
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<tr>
<td>15. Understand construction quality assurance and control.</td>
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<td>16. Understand construction project control processes.</td>
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<tr>
<td>17. Understand the legal implications of contract, common, and regulatory law to manage a construction project.</td>
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<tr>
<td>18. Understand the basic principles of sustainable construction.</td>
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<tr>
<td>19. Understand the basic principles of structural behavior.</td>
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<tr>
<td>20. Understand the basic principles of mechanical, electrical and piping systems.</td>
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</tbody>
</table>

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 or grades 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

## SUMMER 2020-10 WEEK SESSION CALENDAR

<table>
<thead>
<tr>
<th>Week #</th>
<th>Date</th>
<th>Topics and Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Week One:</strong> Class #1</td>
<td><strong>May 25, 2020</strong> [Monday]</td>
<td>MEMORIAL DAY (UNIVERSITY CLOSED)</td>
</tr>
<tr>
<td>Class #2</td>
<td><strong>May 26, 2020</strong> [Tuesday]</td>
<td>Lecture/Assignment: FIRST CLASS DAY LAST DAY FOR LATE REGISTRATION, CHANGE MAJOR, ADD COURSES (1st 5 Week and 10 Week Sessions). LATE FEE OF $50.00 APPLIES. TUITION &amp; LATE PAYMENT DUE @ 5:00 PM.</td>
</tr>
<tr>
<td>Class #3</td>
<td><strong>May 27, 2020</strong> [Wednesday]</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>Class #4</td>
<td><strong>May 28, 2020</strong> [Thursday]</td>
<td>Lecture/Assignment: Attendance Reporting Period Starts! (Runs to June 2, 2020.)</td>
</tr>
<tr>
<td>Class #5</td>
<td><strong>May 29, 2020</strong> [Friday]</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>Chapter(s):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assignment(s):</td>
<td></td>
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</tr>
<tr>
<td><strong>Week Two:</strong> Class #6</td>
<td><strong>June 1, 2020</strong> [Monday]</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>Class #7</td>
<td><strong>June 2, 2020</strong> [Tuesday]</td>
<td>Lecture/Assignment: Attendance Reporting Period Ends! Students who do not attend class during this period will have their courses removed and Financial Aid reduced or cancelled.</td>
</tr>
<tr>
<td>Class #8</td>
<td><strong>June 3, 2020</strong> [Wednesday]</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>Class #9</td>
<td><strong>June 4, 2020</strong> [Thursday]</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>Class #10</td>
<td><strong>June 5, 2020</strong> [Friday]</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>Chapter(s):</td>
<td></td>
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</table>

ARCH 2273 MATERIALS AND METHODS I COURSE SYLLABUS

PRAIRIE VIEW A&M UNIVERSITY SCHOOL OF ARCHITECTURE
Assignment (s):  

**Week Three:**  
Class #11  
June 8, 2020  
[Monday]  
Lecture/Assignment:  

Class #12  
June 9, 2020  
[Tuesday]  
Lecture/Assignment:  
Drop for Non-Payment of Tuition and Fees @ 5:00 p.m.  

Class #13  
June 10, 2020  
[Wednesday]  
Lecture/Assignment:  
Final Day to Drop/Withdraw from Course(s) without Academic Record (A Financial Record will still exist)  
12th Class Day (Census Date)  

Class #14  
June 11, 2020  
[Thursday]  
Lecture/Assignment:  
Withdrawal from Courses with Academic Record (“W”) Begins  

Class #15  
June 12, 2020  
[Friday]  
Lecture/Assignment:  

Chapter (s):  

Assignment (s):  

**Week Four:**  
Class #16  
June 15, 2020  
[Monday]  
Lecture/Assignment: 

Class #17  
June 16, 2020  
[Tuesday]  
Lecture/Assignment:  

Class #18  
June 17, 2020  
[Wednesday]  
Lecture/Assignment:  

Class #19  
June 18, 2020  
[Thursday]  
Lecture/Assignment:  

Class #20  
June 19, 2020  
[Friday]  
Lecture/Assignment:  

Chapter (s):  

Assignment (s):  

**Week Five:**  
Class #21  
June 22, 2020  
[Monday]  
Lecture/Assignment:  
20th Class Day  

Class #22  
June 23, 2020  
[Tuesday]  
Lecture/Assignment:  

Class #23  
June 24, 2020  
[Wednesday]  
Lecture/Assignment:  

Class #24  
June 25, 2020  
[Thursday]  
Lecture/Assignment:  

Class #25  
June 26, 2020  
[Friday]  
Lecture/Assignment:  
LINE TO APPLY FOR SUMMER 2020 GRADUATION (Ceremony Participation)  
Final Day to Withdraw from Course(s) with Academic Record (“W”)  

Week #  
Class#  
Topics  

**Week Six:**  
Class #26  
June 29, 2020  
[Monday]  
Lecture/Assignment:  
Last Class Day- Summer 2020 1st 5-week session  

ARCH 2273  
PRAIRIE VIEW A&M UNIVERSITY  
MATERIALS AND METHODS I  
COURSE SYLLABUS  
SCHOOL OF ARCHITECTURE  

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<table>
<thead>
<tr>
<th>Class #</th>
<th>Date</th>
<th>Lecture/Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class #27</td>
<td>June 30, 2020 [Tuesday]</td>
<td>Final Exams - Summer 2020 1st 5-week session</td>
</tr>
<tr>
<td>Class #28</td>
<td>July 1, 2020 [Wednesday]</td>
<td>Application for Graduation-Degree Conferral only for Summer 2020 Graduation Begins (no ceremony participation or listing in the program)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Final Day to Withdraw from the University (from all courses) for the Summer 2020 1st 5-Week Session Semester</td>
</tr>
<tr>
<td>Class #29</td>
<td>July 2, 2020 [Thursday]</td>
<td>Final Grades due for Summer 2020 1st 5-Week Session (11:59 p.m.)</td>
</tr>
<tr>
<td>Class #30</td>
<td>July 3, 2020 [Friday]</td>
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<tr>
<td></td>
<td></td>
<td>Week Seven:</td>
</tr>
<tr>
<td>Class #31</td>
<td>July 6, 2020 [Monday]</td>
<td>Final Day for Undergraduate Students to submit request for P/NP Grading for the Summer 2020 1st 5-week session semester</td>
</tr>
<tr>
<td>Class #32</td>
<td>July 7, 2020 [Tuesday]</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>Class #33</td>
<td>July 8, 2020 [Wednesday]</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>Class #34</td>
<td>July 9, 2020 [Thursday]</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>Class #35</td>
<td>July 10, 2020 [Friday]</td>
<td>Lecture/Assignment:</td>
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<td>Week Eight:</td>
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<tr>
<td>Class #36</td>
<td>July 13, 2020 [Monday]</td>
<td>Lecture/Assignment:</td>
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<tr>
<td>Class #37</td>
<td>July 14, 2020 [Tuesday]</td>
<td>Lecture/Assignment:</td>
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<tr>
<td>Class #38</td>
<td>July 15, 2020 [Wednesday]</td>
<td>Lecture/Assignment:</td>
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<tr>
<td>Class #39</td>
<td>July 16, 2020 [Thursday]</td>
<td>Lecture/Assignment:</td>
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<tr>
<td>Class #40</td>
<td>July 17, 2020 [Friday]</td>
<td>Lecture/Assignment:</td>
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<td></td>
<td>Week Nine:</td>
</tr>
<tr>
<td>Class #41</td>
<td>July 20, 2020 [Monday]</td>
<td>Final Day to Withdraw from Course(s) with Academic Record (“W”)</td>
</tr>
<tr>
<td>Class #</td>
<td>Date</td>
<td>Lecture/Assignment</td>
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</tr>
<tr>
<td>#42</td>
<td>July 21, 2020</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>#43</td>
<td>July 22, 2020</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>#44</td>
<td>July 23, 2020</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>#45</td>
<td>July 24, 2020</td>
<td>Lecture/Assignment: Final Day to Withdraw from the University (from all courses) for the Summer 2020 10-week session semester</td>
</tr>
<tr>
<td>#46</td>
<td>July 27, 2020</td>
<td>Lecture/Assignment:</td>
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<tr>
<td>#47</td>
<td>July 28, 2020</td>
<td>Lecture/Assignment:</td>
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<tr>
<td>#48</td>
<td>July 29, 2020</td>
<td>Lecture/Assignment:</td>
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<tr>
<td>#49</td>
<td>July 30, 2020</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>#50</td>
<td>July 31, 2020</td>
<td>Lecture/Assignment:</td>
</tr>
<tr>
<td>#46</td>
<td>August 3, 2020</td>
<td>Lecture/Assignment: Last Class Day Final Day to Apply for Degree Conferral only for Summer 2020 Graduation (no ceremony participation or listing in the program)</td>
</tr>
<tr>
<td>#47</td>
<td>August 4, 2020</td>
<td>Lecture/Assignment: Final Exams</td>
</tr>
<tr>
<td>#48</td>
<td>August 6, 2020</td>
<td>Lecture/Assignment: Final Grades due for Graduation Candidates (12:00 p.m.)</td>
</tr>
<tr>
<td>#49</td>
<td>August 7, 2020</td>
<td>Lecture/Assignment: Final Day for Graduating Undergraduates to Submit Application for Tuition Rebate for Summer 2020</td>
</tr>
<tr>
<td>#50</td>
<td>August 8, 2020</td>
<td>Lecture/Assignment: COMMENCEMENT</td>
</tr>
<tr>
<td>#50</td>
<td>August 10, 2020</td>
<td>Lecture/Assignment: Final Grades due for all other students (11:59 p.m.)</td>
</tr>
<tr>
<td>#50</td>
<td>August 11, 2020</td>
<td>Lecture/Assignment: Final Day for Undergraduate Students to submit request for P/NP Grading.</td>
</tr>
</tbody>
</table>

In order to assure 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 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 2273-Z01 Summer Term 2020**, 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 #  Date

Signature-Instructor

________________________________________
Instructors name  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: ____________________________