PRAIRIE VIEW A&M UNIVERSITY

SYLLABUS

Course Title:	**Architecture Design V**				
Course Prefix:	**ARCH**	**Course No.:**	**3256**	**Section No.:**	**P02/P82**

"To me one of the most important things in architecture is how you continue your personal development and it is necessary to develop a critical mind in order to make certain judgements both on past and present projects." Fumihiko Maki, Hon.FAIA

Expected Course Goals and Objectives:

In this course, students will consider the myriad impacts that buildings have on both their immediate and expanded context. Designs will be both culturally, socially, and environmentally responsive. In order to do this, the design process will include considerations for multiple stakeholders that are affected by both the presence and the construction of a building. Students will use this information to develop a design that is appropriate to the place and use, as well as a building that is considered from both a conceptual and technical point of view. Students will learn effective ways to research and integrate various building systems, programming, technology and environmental factors, especially as these aspects relate to the role of the client in architecture. Students will present their work graphically and verbally in a professional forum.

School of Architecture	Department: ☑ Architecture ☐ Construction Science ☐ Art ☐ Digital Media Art ☐ Community Development
Course Location:	Nathelyne Archie Kennedy Building, Room 130
Class Meeting Days & Times:	Tuesday; 3:30 to 5:20 PM Monday, Wednesday and Thursday 3:30 to 6:10 PM
Catalog Description:	**ARCH 3256 Architecture Design V** (6-0) Credit 6 semester hours. Building design as it relates to structure, circulation, context and support systems.
Prerequisites:	ARCH 2266 and ARCH 3293
Co-requisites:	Not Applicable
Mode of Instruction:	☑ **Face-to-face**
Instructor:	Nestor I. Infanzon, FAIA, LEED AP BD+C Professor of the Practice
Office Location:	School of Architecture, Room 243

Office Telephone:	(936) 261- 9800
Email Address:	neinfanzon@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:	Monday, Tuesday, Wednesday and Thursday 9:00- 11:00 PM. 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.
Virtual Office Hours:	
Required Text:	Building Codes Illustrated; A Guide to Understanding the International Building Code; Authors: Francis D. K. Ching and Steven R. Winkel, FAIA; Publisher: John Wiley & Sons, Inc.; ISBN: 0-471-09980-5 (Excellent Reference Book to own) Green Building Illustrated; Author: Francis D. K. Ching; Publisher: John Wiley & Sons, Inc. (Excellent Reference Book to own) The Architects Studio Companion: Rules of Thumb for Preliminary Design, Edward Allen, Joseph Iano, 5th Edition, Wiley, 2011, ISBN: 0470641916 (Excellent Reference Book to own) Architectural Graphic Standards (Student or Full Professional Edition) the American Institute of Architects edited by Bruce Bassler 978-0-470-08546-2 (Excellent Reference Book to own)
Optional Text:	Sustainable Construction; Green Building Design and Delivery (2nd Edition) ; Author: Charles J. Kibert; Publisher: John Wiley & Sons, Inc.; ISBN: 9778-0-470-11421-6 Problem Seeking: An Architectural Programming Primer; Author William M Pena and Steven Parshall; ISBN-13: 978-1118084144 and ISBN-10: 1118084144 (Excellent Reference Book to own)
Recommended Text/Readings:	Open a personal account at https://continuingeducation.bnpmedia.com/ Read the following articles **https://continuingeducation.bnpmedia.com/courses/multi-aia/innovations-in-parking-garages/** **https://continuingeducation.bnpmedia.com/courses/tamlyn/yes-we-can-multifamily-housing-meets-sustainability/** **https://continuingeducation.bnpmedia.com/courses/tamlyn/lets-get-creative-art-aesthetics-and-multifamily-housing/** **https://continuingeducation.bnpmedia.com/courses/tamlyn/Multifamily-Housing-Design-Three-Approaches-for-Growing-Cities/** **https://continuingeducation.bnpmedia.com/courses/carlisle-syntec/building-envelope-solutions/** **https://continuingeducation.bnpmedia.com/courses/armstrong-ceiling-and-wall-solutions/flexible-by-design-innovative-approaches-for-powering-lowenergy-buildings/**

	https://continuingeducation.bnpmedia.com/courses/construction-specialties/building-resiliency/ **https://continuingeducation.bnpmedia.com/courses/construction-specialties/building-with-nature-resilient-environments-and-buildings-web-live/** **https://continuingeducation.bnpmedia.com/courses/fabritec-structures/anatomy-of-a-tension-structure-1/** **https://continuingeducation.bnpmedia.com/courses/oldcastle-building-envelope/balancing-health-and-performance-benefits-through-natural-lighting/** **Professor will provide supplemental Required Handouts throughout the semester as required.**
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:	
	The goal of this course is to understand **architecture as not mere form or image, but as a holistic system with spatial, structural, mechanical and electrical components that should be integrated with the broader systems of the site** – both physical and cultural, both organic and man-made, both processes and fixed conditions. Our course pedagogical expectations are intended to reinforce on the NAAB Course Accreditation Criteria as noted. **A-1 Professional Communicative Skills** include: Ability to write and speak effectively and use representational media appropriate for both within the profession and with the general public. **A-2 Architectural Design Thinking Skills** include: Ability to raise clear and precise questions, use abstract ideas to interpret information, consider diverse points of view, reach well-reasoned conclusions, and test alternative outcomes against relevant criteria and standards **A-3 Investigative Skills** include: Ability to gather, assess, record, and comparatively evaluate relevant information and performance in order to support conclusions related to a specific project or assignment. **B-1 Pre-Design** include: Ability to prepare a comprehensive program for an architectural project that includes an assessment of client and user needs; an inventory of spaces and their requirements; an analysis of site conditions (including existing buildings); a review of the relevant building codes and standards, including relevant sustainability requirements, and an assessment of their implications for the project; and a definition of site selection and design assessment criteria **B-2 Site Design** will include: Ability to respond to site characteristics, including its context and developmental patterning, the fabric, soil, topography, ecology, climate, and building orientation, in the development of a project design. **B-5 Structural Systems** include: Ability to demonstrate the basic principles of structural systems and their ability to withstand gravitational, seismic, and lateral forces, as well as the selection and application of the appropriate structural system. **B-6 Environmental Systems** include: Ability to demonstrate the principles of environmental systems' design, how design criteria can vary by geographic region, and the tools used for performance assessment. This demonstration must include active and passive heating and cooling, solar geometry, daylighting, natural ventilation, indoor air quality, solar systems, lighting systems, and acoustics. **B-8 Building Materials and Assemblies** include: Understanding of the basic principles used in the appropriate selection of interior and exterior construction materials, finishes, products, components, and assemblies based on their inherent performance, including environmental impact and reuse. **C-2 Integrated Evaluation and Decision-Making Design** Process include: Ability to demonstrate the skills associated with making integrated decisions across multiple systems and variables in the completion of a design project. This demonstration includes problem identification, setting evaluative criteria, analyzing solutions, and predicting the effectiveness of implementation.
Course Outcomes/Learning Objectives	
At the end of this course, the students will	
4456.1	Be able to understand **basic pre-design and site design issues/strategies.** Students should also begin to understand how to **integrate the project scope and building solutions into the site and larger community context.**
4456.2	Demonstrate the ability to **integrate operational design issues that impact how we use, live and inhabit spaces** into building design solutions.
4456.3	Be able to analyze a **site as not only a fixed place, but as ongoing, ever-changing evolving system.**
4456.4	Identify architecture as a coherent system that is underpinned with a **clear intention.**
4456.5	Demonstrate a basic understanding of **sustainability measures including net zero energy design,**

	net zero water design, low impact development, responsible material sourcing, healthy indoor air quality, resilient design, and supporting local food production and natural habitats.

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. No late assignments will be accepted without a deduction in the final grade unless accompanied by the proper documentation student must submit University approved documentation within 3 days of returning to Studio.
- **Exams:** Written tests designed to measure knowledge of presented course material
- **Projects:** Assignments designed to measure ability to apply presented course material with **Mid-Term/Final Presentations:** Presentations to Guest Reviewers are required. Mid-term grades will be reviewed individually with the Professor based on the attached Grading Matrix.
- **Class Attendance/Participation:** Daily attendance and participation in class discussions

Grading

A – (high pass) exceptional performance; strongly exceeding the requirements of the course problem, showing strong academic initiative and independent resourcefulness.

B – (pass) performance above the norm; accurate and complete; beyond the minimum requirements of the course problem; work demonstrates marked progress and initiative.

C – (pass) satisfactory work that adequately meets minimum requirements and demonstrates satisfactory comprehension, communication skills, and effort; demonstrates little initiative to investigate the problem without substantial prodding of the instructor; work shows little improvement.

D – (low pass) unsatisfactorily meets minimum requirements; demonstrates minimum comprehension of the course problem, communication skills, and effort at an inferior level; initiative lacking; improvement not noticeable.

F – (fail) does not meet minimum requirements; fails to adequately demonstrate comprehension of the course problem, communication skills, and effort requiring to repeat the course.

Instrument	**Value (points or percentages)**	**Total**
Assignments	Sketchbook at 5 points	**5**
Papers and Readings	10 papers at 1 points each	**10**
Exercises	3 exercises at 5 points each	**15**
Exams	__ quizzes at 00 points each	**0**
Projects	2 projects at points each (charrette at 10 PT and semester project at 50 PT)	**60**
Mid Term Presentation	20 points out of the projects grade	
Final Presentation	30 points out of the projects grade	
Class Attendance/Participation	Total of 10 points	**10**
Total:		**100**
Additional Credit/Bonus	Will be added to final grade and not to exceed 5 points	**5**
Total:		**105**
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.
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	As a student in a professional practice course at Prairie View A&M University you are

Attendance and Participation Policy	expected to attend each class. Class attendance is recorded on roll sheets that are circulated to record your name and signature. All design assignments are due on the assigned date. Late work will not be accepted and will result in a grade of 0 for that assignment or project. All students must be present to submit and present their design concepts/drawings/models as make--up opportunities are very limited and will be granted only when caused by a university excused absence. It is also understood that emergencies do occur. If a university excused absence or a valid emergency is reported and approved, a make-up presentation/pin-up must occur during the next scheduled class period to avoid a penalty. Students are expected to behave and dress professionally in the studio and to be productive towards the completion of studio projects and/or assignments during studio hours. Given this expectation, students are required to adhere to the following rules: 1. Students arriving 10 minutes past the beginning of class shall be marked late and deducted 20% from the daily classroom grade. Lateness will be indicted with a red-line drawn on the sign-in sheet at 10 past arrival time. Students arriving 30 minutes late will be deducted a minimum of 50% from their daily grade. 2. Visitors are not allowed during class time. Talking during class will adversely affect your daily grade, unless students are directly addressing the course work at hand. Eating during studio is not permitted. 3. Desk critique sign-in sheets will be posted at the beginning of each class. Students should sign up with the instructor for one on one desk critiques a minimum of two time per week. Students will meet with instructor based on this sign-in sheet. Any students that are not met with on that appointed time, will be met with first at the next period. 4. During each class, students are required to have on their desk a roll of 12" trace paper and appropriate drawing instruments on desk for productive desk critiques. 5. Weekly assignments are to be turned in on time. Late work will not be accepted without a doctor's excuse. 6. Students are expected to have all materials ready for work by the beginning of the second week of the semester including: 1) design notebook; 2) laptop; 3) sketch-up, CAD, REVIT on your laptop 4) mechanical drafting pencil, 5) yellow tracing paper and 6) drawing tape, 7) desk drawing/cutting board, 8) sketch & final model-making material, basswood, museum board, etc. 7. Along with the course syllabus, all Assignments for the semester will be placed in the course GOOGLE DRIVE FOLDER. It is the student's responsibility to upload current files to their personal folder and to check for digital comments. This system time stamp will be referred to for grading if the assignment was turned in at the deadline. The student can also use their process book as a way to timestamp assignments if the professor initials the date. 8. Students will be given weekly grades based on weekly assignments/reviews, attendance and professionalism. Students must sign weekly grades. 9. Attendance and presentation at both Mid-term and Final Reviews are mandatory. Missing either the Mid-term or Final Review without a valid doctor's excuse will result in a zero for that review and may result in the failure of the course. You are <u>not</u> in competition with your fellow classmates for involvement points. Participation and absences are accumulated beginning with the first day of class on **August 26**, 2019. 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. 8. 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 you 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. To assist you in recovering lost points there is an opportunity to earn additional extra percentages towards your final grade.
Personal Conduct	Students and faculty are expected to conduct themselves in ways that support individual learning and the learning of others. To that end members of the classroom community will conduct themselves in a professional and ethical manner to achieve these objectives. 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: 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. 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. 3. Dress Code for Presentations: 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. 4. No food or drink is allowed in the classroom at any time. 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 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. No children, friends, family members or guests are allowed in the class without prior approval. Failure to adhere to this rule will result in a "0" for that class period.
Conduct of the Class and Care of	Please note the following rules for the conduct of the class.

the Facility	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 before the class is dismissed without prior approval from the instructor will result in a loss of participation for that class. 3. All class members are required to keep the classroom in a clean and orderly manner to facilitate the number of students using it each day. Failure to maintain the classroom as requested by the instructor will result in a deduction in participation points for all class members for that date of instruction. 4. 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.
Submission of Assignments:	Assignments are due at the start of the class session. No late work will be accepted without proper documentation.
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 should be taken as scheduled. No makeup examinations will be allowed except under documented emergencies (See Student Handbook).
Professional Organizations and Journals	
Magazines: Architectural Record Magazine, Progressive Architecture, TexasArchitect and El Croquis to name a few. **Organizations:** Texas Society of Architects, American Institute of Architects, USGBC and others professional associations.	
References	
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	Sexual harassment of students and employers at Prairie View A&M University is

(See Student Handbook):	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	Pentium with Windows XP or PowerMac with OS 9 -56K modem or network access -Internet provider with SLIP or PPP -8X or greater CD-ROM -64MB RAM -Hard drive with 40MB available space -15" monitor, 800x600, color or 16 bit -Sound card w/speakers -Microphone and recording software -Keyboard & mouse -Netscape Communicator ver. 4.61 or Microsoft Internet Explorer ver. 5.0 /plug-ins -**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 ·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.
Technical Support:	Students should call the Prairie View A&M University Helpdesk at 936-261-2525 for technical issues with accessing your online course. The helpdesk is available 24 hours a day/7days a week. For other technical questions regarding your online course, call the Office of Distance Learning at 936-261-3290 or 936-261-3282
Communication Expectations and Standards:	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.

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."

Performance Criteria:	**Ability** ☑	**Understanding** ☑	**Course Learning Outcomes Competencies (T, R, I)**		
			T Taught	**R** Reinforced	**I** Utilized/ Integrated
REALM A: Critical Thinking and Representation					
A.1. Professional Communication Skills (Ability)				R	
A.2. Design Thinking Skills (Ability)				R	

A.3. Investigative Skills (Ability)				R	
A.4. Architectural Design Skills (Ability)					
A.5. Ordering Systems (Ability)					
A.6. Use of Precedents (Ability)					I
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)				R	I
B.2. Site Design (Ability)				R	I
B.3. Codes and Regulations (Ability)					
B.4. Technical Documentation (Ability)					
B.5. Structural Systems (Ability)				R	I
B.6. Environmental Systems (Ability)				R	I
B.7. Building Envelope Systems and Assemblies (Understanding)					
B.8. Building Materials and Assemblies (Understanding)				R	I
B.9. Building Service Systems (Understanding)					
B.10. Financial Considerations (Understanding)					
REALM C: Integrated Architectural Solutions					
C.1. Research (Understanding)					I
C.2. Integrated Evaluations and Decision-Making Design Process (Ability)					
C.3. Integrative Design (Ability)				R	I
REALM D: Professional Practice					
D.1. Stakeholder Roles in Architecture (Understanding)					
D.2. Project Management (Understanding)					
D.3. Business Practices (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."

Course Learning Outcomes:	**Competencies (T, R, I)**			**ACCE**
	T Taught	**R** Reinforced	**I** Utilized/ Integrated	**A** Assessed
1. Create **written communications** appropriate to the construction discipline.		**R**		
2. Create **oral presentations** appropriate to the construction discipline		**R**		
3. Create a construction **project safety plan**				
4. Create construction **project cost estimates**			**I**	
5. Create construction **project schedules**				
6. Analyze professional decisions based on **ethical principles**.				
7. Analyze construction documents for **planning and management** of construction processes.				
8. Analyze **methods, materials, and equipment** used to			**I**	

construct projects.				
9. Apply construction management skills as a member of a **multidisciplinary team**.				
10. Apply **electronic-based technology** to manage the construction process.				
11. Apply basic **surveying techniques** for construction layout and control.				
12. Understand different **methods of project delivery** and the roles and responsibilities of all constituencies involved in the design and construction process.				
13. Understand **construction risk management**.				
14. Understand **construction accounting and cost control**				
15. Understand **construction quality assurance and control**.				
16. Understand **construction project control** processes.				
17. Understand the **legal implications** of contract, common, and regulatory law to manage a construction project.				
18. Understand the basic principles of **sustainable construction**.			I	
19. Understand the basic principles of **structural behavior**.			I	
20. Understand the basic principles of **mechanical, electrical and piping** systems.			I	

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**

16 WEEK CALENDAR

Week One: Topic **August 28-30, 2019**	**Introduction to Architecture Design V and Studio Expectations**	
Chapter (s):		
Assignment (s):	**Charrette No.1 Drawings** **Class Discussion - content driven discussions**	
University Events:	**August 28-30, 2019**	**LATE REGISTRATION/ADD-DROP COURSE PERIOD**
	August 26-September 3, 2019	**Attendance Reporting Period (NS/SH) Students who do not attend class during this period will have their courses removed and financial aid reduced or cancelled**
	August 29, 2019 [Thursday]	**Preparing Productive Panthers "P3" Event and 4th Annual Job Fair** 10:00 am-2:00 pm; Willie A. Tempton Memorial Center–Grand Ballroom, 2nd Floor), Workshops:

		• Resume Workshop • Elevator Pitch w/ a twist • Social-Media Burst (Reviewing Social Media) • Professional Headshots • Dress for Success
	August 30, 2019 [Friday]	**Final Day to Register without late fee**
Week Two: Topic **September 2-6, 2019**	**Architecture Design Process and Analysis**	
Chapter (s):	**https://continuingeducation.bnpmedia.com/courses/multi-aia/innovations-in-parking-garages/** **Submit certificate at start of Class on Thursday**	
Assignment (s):	Project Scope and Site Programing Exercise Site Identification and Documentation Exercise and Discussion Codes and Regulation Discussions and Presentation Pin up and or desk critiques on Thursday September 4	
University Events:	**September 2, 2019 [Monday]**	**LABOR DAY (University Closed)**
	September 4, 2019 [Wednesday]	**GENERAL STUDENT ASSEMBLY: All students to attend.** ***(TO BE CONIFMRED; Time to be announced.)***
Week Three: Topic **September 9-13 2019**	**Site Analysis and Site visit**	
Chapter (s):	**https://continuingeducation.bnpmedia.com/courses/tamlyn/yes-we-can-multifamily-housing-meets-sustainability/** **Submit certificate at start of Class on Thursday**	
Assignment (s):	Class visit to the site for Monday September 9, 2019 Class will be assigned a team for the visit. Complete Site Drawings, Present analysis of precedents and findings Present and Review Program Validation and seek final approvals Pin up and or desk critiques on Thursday September 12	
University Events:		
	September 11, 2019 [Wednesday]	**CENSUS DATE (12TH CLASS DAY): COURSE RESERVATIONS CANCELLED FOR NON-PAYMENT.**
		LAST DAY TO WITHDRAW FROM COURSE WITHOUT ACADEMIC RECORD. (Note: A Financial Record will still exist)
		LATE DEADLINE FOR GRADUATING UNDERGRADUATES TO SUBMIT APPLICATION FOR TUITION REBATE
	September 12, 2019 [Thursday]	**WITHDRAWAL FROM COURSES "WITH ACADEMIC RECORD" (W) BEGINS. END ON NOVEMBER 1, 2019.**
Week Four: Topic **September 16-20, 2019**	**Conceptual Design and Adjacency studies**	
Chapter (s):	**https://continuingeducation.bnpmedia.com/courses/tamlyn/lets-get-creative-art-**	

	aesthetics-and-multifamily-housing/ **Submit certificate at start of Class on Thursday**	
Assignment (s):	Illustrative diagrams to present you site and building adjacencies and operational design Discussion of external design factors, Sustainability and Budgets concerns**.** Pin up and or desk critiques on Thursday September 19	
University Events:	**September 18, 2019 [Wednesday]**	**SOA Construction Science Career Fair: 9:00 AM- 3:00 PM held in the Kennedy Architecture Building & Fabrication Center**
Week Five: Topic **September 23-27, 2019**	**Conceptual Design Presentation**	
Chapter (s):	**https://continuingeducation.bnpmedia.com/courses/tamlyn/Multifamily-Housing-Design-Three-Approaches-for-Growing-Cities/** **Submit certificate at start of Class on Thursday**	
Assignment (s):	Conceptual model Conceptual floor plan and building adjacencies Analysis boards and documents 3D Images as necessary to communicate your ideas	
University Events:	**September 25, 2017 [Monday]**	**20TH CLASS DAY**
Week Six: Topic **September 30-October 4, 2019**	**Building Systems and 3D Development of the Project**	
Chapter (s):	**https://continuingeducation.bnpmedia.com/courses/carlisle-syntec/building-envelope-solutions/** **Submit certificate at start of Class on Thursday**	
Assignment (s):	Begin to finalize your site plan and refine the site issues Start to develop an approved floor plan that meets expectations and operational requirements Begin to develop building sections and systems selections.	
University Events:		
Week Seven: Topic **October 7-11, 2019**	**Building Systems and 3D Development of the Project**	
Chapter (s):	**https://continuingeducation.bnpmedia.com/courses/armstrong-ceiling-and-wall-solutions/flexible-by-design-innovative-approaches-for-powering-lowenergy-buildings/** **Submit certificate at start of Class on Thursday**	
Assignment (s):	Continue development of your site plan and refine the site issues Continue development of your floor plan that meets expectations and operational requirements Continue development of your building sections and systems selections.	
University Events:		
Week Eight: Topic **October 14-18, 2019**	**Building Systems and 3D Development of the Project**	
Chapter (s):	**https://continuingeducation.bnpmedia.com/courses/construction-specialties/building-resiliency/** **Submit certificate at start of Class on Thursday**	
Assignment (s):	Mid Term Review and checklist	

	Site Plan at 1"=10' Floor Plan at 1'=1/8" Elevations and sections - as appropriate to illustrate the design Building Model - as appropriate to illustrate the design Renderings - as appropriate to illustrate the design	
University Events:		
Mid-Term Exam	**October 17-19, 2019**	
Week Nine: Topic **October 21-25, 2019**	**Building Systems and 3D Development of the Project**	
Chapter (s):	**https://continuingeducation.bnpmedia.com/courses/construction-specialties/building-with-nature-resilient-environments-and-buildings-web-live/** **Submit certificate at start of Class on Thursday**	
Assignment (s):		
University Events:	**October 22, 2019 [Tuesday]**	**MID-TERM EXAM GRADES DUE**
Week Ten: Topic **October 28-November 1, 2019**	**Building Systems and 3D Development of the Project**	
Chapter (s):	**https://continuingeducation.bnpmedia.com/courses/fabritec-structures/anatomy-of-a-tension-structure-1/** **Submit certificate at start of Class on Thursday**	
Assignment (s):	**Mid Term Conceptual Design Reviews** **Date to be scheduled either Wednesday or Thursday**	
University Events:	**October 31, 2019 [Thursday]**	**Final Date to Apply for Fall 2019 Graduation (ceremony participation)**
	November 1, 2019 [Friday]	**Application for Graduation-Degree Conferral only for Fall 2019 Graduation Begins (no ceremony participation or name listed in the program)** **Final Day to Withdraw from Course(s) with Academic Record ("W")**
Week Eleven: Topic **November 4-8, 2019**	**Schematic Design and Final Presentation Stage**	
Chapter (s):	**https://continuingeducation.bnpmedia.com/courses/oldcastle-building-envelope/balancing-health-and-performance-benefits-through-natural-lighting/** **Submit certificate at start of Class on Thursday**	
Assignment (s):	Refine and finalize the project design effort Site Plan Floor Plans Elevations and Sections Details and Rendering Models	
University Events:		
Week Twelve: Topic **November 11-15, 2019**	**Schematic Design and Final Presentation Stage**	
Chapter (s):		
Assignment (s):	Refine and finalize the project design effort Site Plan Floor Plans Elevations and Sections Details and Rendering	

	Models	
University Events:	**November 11, 2019 [Tuesday]**	**Priority Registration for continuing students for Spring and Summer semesters**
Week Thirteen: Topic **November 18-22, 2019**		
Chapter (s):		
Assignment (s):	Refine and finalize the project design effort Site Plan Floor Plans Elevations and Sections Details and Rendering Models	
University Events:		
Week Fourteen: Topic **November 25-29, 2019**		
Chapter (s):	**Extra work if Requested and Approved**	
Assignment (s):	**Final Presentation Assessment – Model, Drawings and additional material Sketchbook Due at end of Wednesday Class**	
University Events: 	**November 28-29, 2019 [Thursday-Saturday]**	**THANKSGIVING DAY (UNIVERSITY CLOSED)**
Week Fifteen Topic **December 2-8, 2019**		
Chapter (s):		
Assignment (s):	**UPLOAD ALL WORK TO GOOGLE DRIVE BY 5 PM DECEMBER 5, 2019**	
University Events:	**December 2-3, 2019 Course Review Days**	Classes must convene and instructors will prepare students for final exams. Last day of class for Fall Semester 2019 is DECEMBER 3rd! Final Day to Submit Application for Tuition Rebate for Fall Graduation 2019 (Undergraduate Candidates)
	December 3, 2019 [Tuesday]	**Final Day to Apply for Degree Conferral only for Fall 2019 Graduation (no ceremony participation or name listed in the program)** Final Day to Withdraw from the University (from all courses) for the Fall 2019 16-week
Week Sixteen		
	December 4-10, 2019 [Wednesday-Tuesday]	**FINAL EXAMINATION PERIOD**
	December 12, 2019 [Thursday]	**FINAL GRADES DUE FOR GRADUATION CANDIDATES (12:00 p.m.) – Fall 2019 16-week session**
	December 14, 2019 [Saturday]	**COMMENCEMENT**
	December 17, 2019 [Tuesday]	**FINAL GRADES DUE FOR ALL STUDENTS**

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 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 3256** for the Fall Semester 2019, 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**: _____