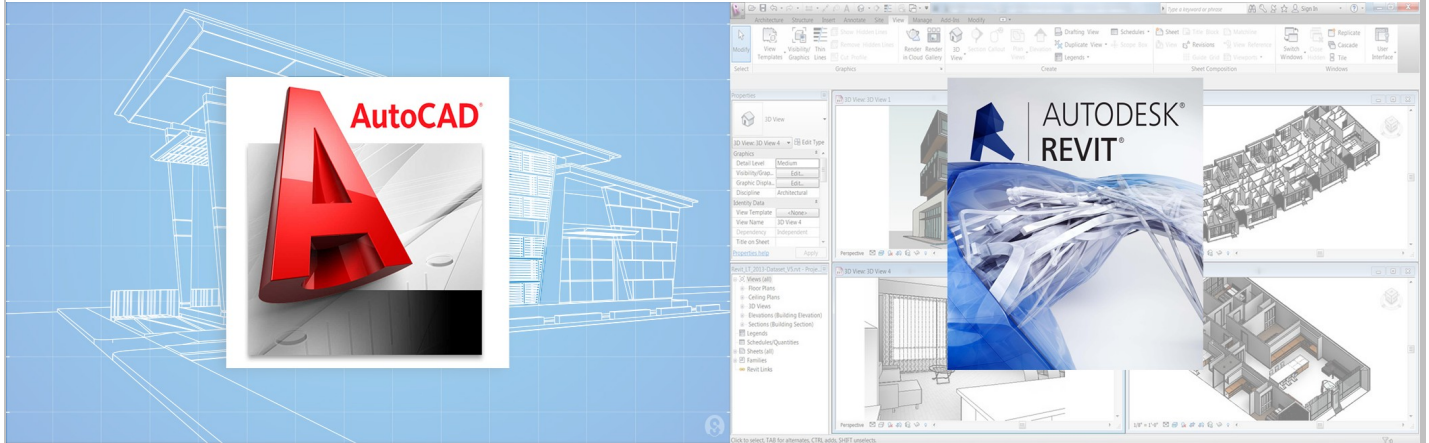




Course Title:	COMPUTER-AIDED DESIGN		
Course Prefix:	ARCH	Course No.:	2223
		Section No.:	P01, P02



autodesk.com

Course Title: COMPUTER AIDED DESIGN

Course Prefix:	ARCH	Course No.:	2223
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Department of:	Architecture <input checked="" type="checkbox"/> Construction Science <input type="checkbox"/> Community Development <input type="checkbox"/> Art <input type="checkbox"/>	School of Architecture
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Instructor Name:	Abel T. Simie, M.Arch (Instructor)
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Office Location:	School of Architecture Rm. 223
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Office Phone:	(936) 261-9823
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Fax:	(936) 261-9826
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Email Address:	atsimie@pvamu.edu
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U.S. Postal Service Address:	Prairie View A&M University P.O. Box 519 Mail Stop 2100 Prairie View, TX 77446
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Office Hours:	Mon. - Thu. = 1:00pm to 2:00pm , Fri. = 10:00am to 11:00am
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Virtual Office Hours:	NA
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Course Location:	Nathelyne Archie Kennedy Building, CAD Lab RM 223
Class Meeting Days & Times:	MTWR 12:00PM - 2:40PM
Catalog Description:	“(3-0) Credit 3 semester hours. Introduction to the range and potential of computer-aided design and electronic media in problem solving and conceptual design.
Prerequisites:	None
Co-requisites:	None
Required Text:	None
Optional Text:	AutoCAD and its Applications: Comprehensive 2018; ISBN: 978-1-63563-063-3
Recommended Text/Readings:	
Access to Learning Resources	PVAMU Library: Telephone: (936) 261-1500; web: http://www.tamu.edu/pvamu/library/ University Bookstore: Telephone: (936) 261-1990; web: https://www.bkstr.com/Home/10001-10734-1?demoKey=d
Course Goals or Overview:	
	The goal of this course is to introduce the beginning students to both basic and more sophisticated procedures using computer-aided drawing and to enable the student to become proficient in construction and editing of basic and complex drawings digitally.
Course Outcomes/Objectives	
At the end of this course, the student will:	
1	Be able to Size, Scale and Plot drawings professionally
2	Be able to utilize and create professional line weights and line types
3	Demonstrate the ability to be proficient in all editing and dawning commands.
5	Be able to construct drawings in 2 and 3 dimensional form

Course Requirements & Evaluation Methods	
This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.	
Exams – written tests designed to measure knowledge of presented course material Exercises – written assignments designed to supplement and reinforce course material Class Participation – daily attendance and participation in class discussions	

Grading Matrix			
	Instrument	Value (points or percentages)	Total
	Assignments	10 assignments at 5 points each	50
	Quiz 1	10 points each	10
	Quiz 2	10 points each	10
	Semester Notebook	1 at 10 points each	10
	Projects	2 projects at 30 points each	60
	Class Attendance*	-2 for ea. absence; -.5 for ea. Tardy	10
	Midterm	Midterm project	20
	Final Exam	25 points	30
	Total:		200

	Grade Determination: A = 90 to 100 Exceptional quality in ALL WORK and professionalism B = 80 to 89.99 Above average quality in all work and exceptional professionalism C = 70 to 79.99 Average Quality in all work D = 60 to 69.99 Below average quality in majority of work F = 59.99 and below Failure in majority of work
Course Procedures	
Submission of Assignments: All work must be submitted on time. Work not submitted on time will be classified as late (except under documented circumstance according to the PVAMU 2018 Handbook) and receive a 50% reduction in actual grade.	
NOTE: If you are unable to attend class and submit work in person, your work shall be emailed (jpg., pdf., et al.) to me on or before the due date class time.	
Formatting Documents: Microsoft Word is the standard word processing tool used at PVAMU. If you're using other word processors, be sure to use the "save as" tool and save the document in either the Microsoft Word, Rich-Text, or plain text format.	
Quiz Policy Quizzes should be taken as scheduled. No makeup quizzes will be allowed except under documented emergencies (See Student Handbook).	
Professional Organizations and Journals	
Cadalyst Magazine http://www.cadalyst.com/	
References	
AutoCAD and its Applications: Comprehensive 2018;	

Addendum

Students enrolled in the course will receive an "Addendum" that will contain detailed information on the following topics:

- Accreditation/Assessment Criteria
- Instructor's Attendance and Participation Policy
- Personal Conduct
- Conduct of the Class and Care of the Facility
- Detailed Course Schedule
- Statement of Agreement

Tentative 5 WEEK CALENDAR	
Week One: Topic	Simple Drawing; points, lines and simple geometric shapes, complex shapes-Print/Plotting; line weights and line types
Assignment (s):	Drawing 1,2,3
Week Two: Topic	Use of Arc, Circle, Ellipse, and 2 and 3 Point circles Scaling notation, Block use Block creation and WBlock creation
Assignment (s):	Drawing 4,5,6
Week Three: Topic	Layers and creation and naming of Layers Dimensioning and dimensioning styles and notes
Assignment (s):	Drawing 7,8,9
Week Four: Topic	Introduction to Revit, 3 Dimensional Drawing Project Intro
Assignment (s):	Revit Project 1
Week Five: Topic	Final Revit Project
Assignment (s):	Final Revit Project

I. ACCREDITATION/ASSESSMENT 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 “2009 NAAB Conditions for Accreditation.”

Table No. 1-NAAB CRITERIA

Performance Criteria	Ability <input checked="" type="checkbox"/>	Understanding <input checked="" type="checkbox"/>	Course Learning Outcomes Competencies (T, R, I)		
			T Taught	R Reinforced	I Utilized/ Integrated
A.1. Communications Skills (Ability)					
A.2. Design Thinking Skills (Ability)					
A.3. Visual Communication Skills (Ability)					
A.4 Technical Documentation (Ability)	<input checked="" type="checkbox"/>				
A.5 Investigative Skills (Ability)					
A.6 Fundamental Design Skills (Ability)					
A.7 Use of Precedents (Ability)					
A.8. Ordering Systems Skills (Understanding)					
A.9 Historical Traditions and Global Culture (Understanding)					
A.10 Cultural Diversity (Understanding)					
A.11 Applied Research (Understanding)					
B.1 Pre-Design (Ability)					
B.2 Accessibility (Ability)					
B.3 Sustainability (Ability)					
B.4 Site Design (Ability)					
B.5 Life Safety (Ability)					
B.6 Comprehensive Design (Ability)					
B.7 Financial Considerations (Understanding)					
B.8 Environmental Systems (Understanding)					
B.9 Structural Systems (Understanding)					
B.10. Building Envelope Systems (Understanding)					
B.11 Building Service Systems (Understanding)					
B.12 Building Materials & Assemblies (Understanding)					
C.1 Collaboration (Ability)					
C.2 Human Behavior (Understanding)					
C.3 Client Role in Architecture (Understanding)					
C.4 Project Management (Understanding)					
C.5 Practice Management (Understanding)					
C.6 Leadership (Understanding)					

ARCH 2223

COMPUTER-AIDED DESIGN

COURSE SYLLABUS

PRAIRIE VIEW A&M UNIVERSITY

SCHOOL OF ARCHITECTURE

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.

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.
5. **NOTE: There is to be NO exchange of any electronic, digital or flashdrive copy/transfer of any kind at ANY time. If you need the prototype or any other assistance you are to see the instructor.**

Nonacademic misconduct (See 2017 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.

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 in assignment of a grade of "F". Absences are accumulated beginning with the first day of class.

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.

Communication Expectations and Standards:

You can send email anytime that is convenient to you, but I check my email messages continuously during the day throughout the work-week (Monday through Friday). I will respond to email messages during the work-week by the close of business (5:00 pm) within 48 hours following my receipt of them. Emails that I receive on Friday will be responded to by the close of business on the following Monday.

Submission of Assignments:

Assignments, Quizzes, Exercises, and Projects will distributed in class.

STATEMENT OF AGREEMENT

I have read the CAD Course Syllabus for **ARCH 2223** for the Summer 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. Also, I understand that there is to be **NO COPYING or exchange of any electronic, digital or flash-drive copy/transfer of any kind at ANY time.** If I need the prototype or any other assistance I will ask the instructor.

Signature-Student

Student name (Please print neatly)

Student ID #

Date

Signature-Instructor

Instructors name

Date

PLEASE READ AND DETACH THIS PAGE FROM THE SYLLABUS AND RETURN "THE HARD COPY" TO THE INSTRUCTOR TO COMPLETE YOUR ENROLLMENT IN THIS COURSE.