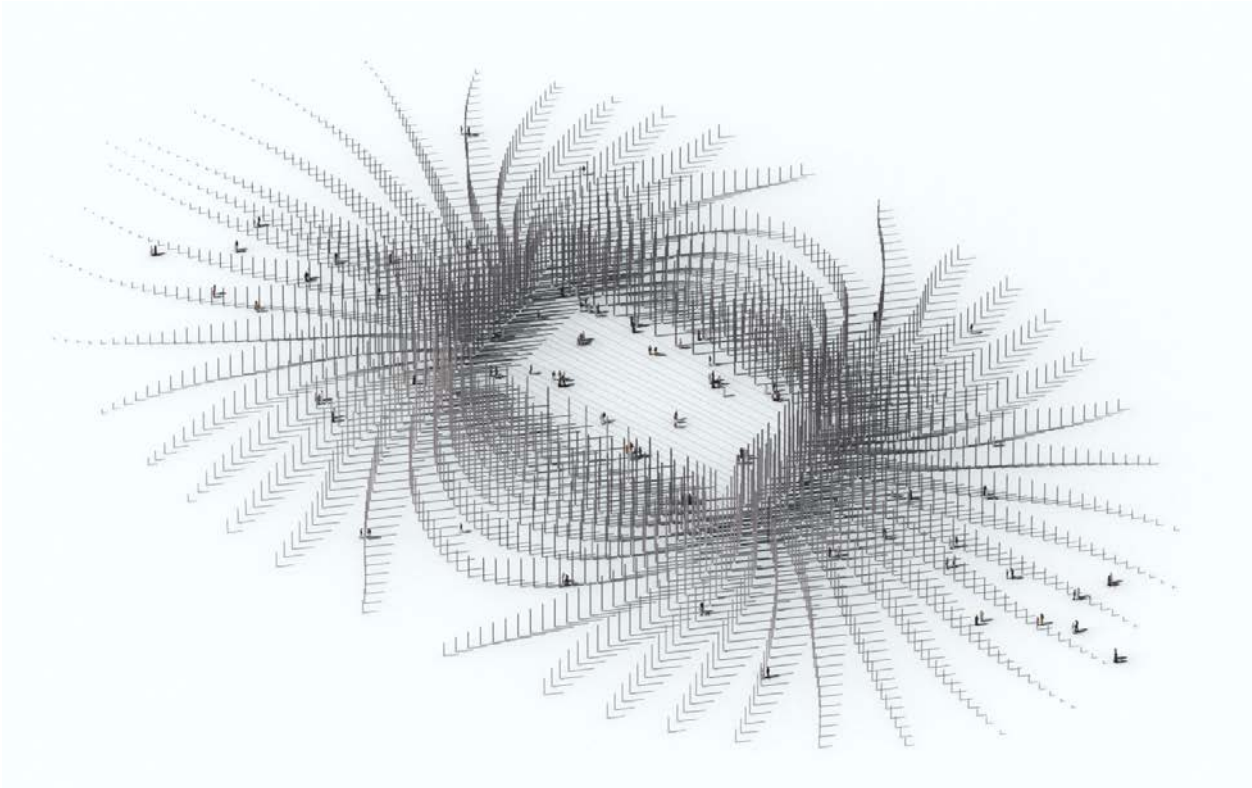
COVID Update
If Texas Tech University campus operations are required to change because of health concerns related to the COVID-19 pandemic, it is possible that this course will move to a fully online delivery format. Should that be necessary, students will need to have access to a webcam and microphone for remote delivery of the class. For online studios, we will use multiple platforms, including Blackboard, Microsoft Teams, Zoom, Conceptboard, Miro, and One Drive. Please see below and consult with your instructor for specifics.

ARCH 3601: Architecture Design Studio V
College of Architecture, Texas Tech University
Fall 2020

Instructors
391_**Bryan Buie**, Instructor_Room 708 – 711 Wednesday
395_**David Driskill**, Associate Professor_Room UrbanTech
390_**Elisandra Garcia**, Visiting Assistant Professor_Room 708 -711 Monday
311_**Lisa Lim**, Assistant Professor_online only
394_**Victoria McReynolds**, Assistant Professor_Room 706 -707 Friday
400_**Brendan Shea**, Visiting Assistant Professor, online only.
396_**Hendrika Buelinckx**, Associate Professor, online only, Coordinator



OMA Honoring Generosity- Inside-Outside

MINI_TOPICAL

Catalogue Description
6 Semester Credit Hours. Prerequisite: ARCH 2504.
Builds on foundational skills through a series of complex constraints and contexts, while emphasizing social, cultural, or civic roles of architectural design.
Open only to architecture majors or to students having permission of the Dean.

Keywords/Topics
Precedent analysis; public/private; communal values; design process; buildings as public acts; city regulations; context

Meeting Times
Studios are scheduled to meet Monday, Wednesday, Friday from 1:00pm - 4:50 pm. At this time hybrid studios meet in person one day per week (consult with your instructor) and meet online twice a week. Online studios meet online three time a week during regularly scheduled hours.

For the online studios, we will use multiple platforms, including Blackboard, Microsoft Teams, Zoom, and One Drive. Please see below and consult with your instructor for specifics.

1. All studio announcements: We will use Blackboard for official announcements. You should get emails regarding distribution of updated syllabus, schedule and instructions for new collaboration platforms, etc. via Blackboard.
2. Studio conversations/discussions: We will use Microsoft Teams for section level interaction. This is a platform where discussions and conversations can happen. You may leave questions as a post, share good resources with other students, etc. You should be online during studio time.
3. Real-time studio: We will use Zoom for video dialogs, critiques and interaction during our normal scheduled studio hours. You will be receiving an invitation to the Zoom link with instructions (with password to join the meeting).
4. Conceptboard or Miro: Use of either one of these to share a virtual wall space. Please consult with your section instructor for specifics.
5. Work submission: We will use OneDrive for submissions of deliverables. Each student should have access to their own folder (with your name) where you can submit files.

SEMESTER SCHEDULE (see also detailed course schedule per section)

08.24 M All school meeting 1:30–3:00 pm
Intro to Syllabus, Schedule 3:30-4:50pm

09.07 M NO CLASS _ Labor Day Holiday

11.25-27 NO CLASS_Thanksgiving Holiday

12.01 T Final Review TBA

Student Learning Objectives
Upon the completion of the studio the student will present evidence of:

1. The ability to analyze architectural precedents and extrapolate precedent-specific architectural strategies to generate conceptual ideas.
2. The ability to identify, distinguish, and incorporate private and public activities into an architectural design solution.
3. The ability to develop and incorporate building operations that promote communal and sustainable values into an architectural design solution.
4. The demonstration of the applied knowledge gained through collateral courses in architectural technology, history-theory-criticism, and representation toward the development of critical and analytical skills serving the design process

Student Performance Objectives
Upon the completion of the studio the student will present evidence of:

1. The ability to analyze architectural precedents in order to draw meaningful architectural information regarding plan and section organization.
2. The ability to identify site context specific to a given building project and incorporate this information into an architectural design solution.
3. The ability to apply digital and analog design drawing and diagrams to communicate the programmatic needs, design solutions, constructability, and fabrication to others.
4. The ability to demonstrate the selection and application of the appropriate structural system in order to fulfill not only constructability but also design concept.
5. The ability to organize and manipulate the program towards an environmentally conscious design approach through analytical exercises.

Means of Evaluation

1. Deliverables — Digital and analog drawings; physical/digital model of a building on a chosen site; perspectival drawings, plans, elevations, sections; sketchbook.

2. Methods of Assessment — Completion of all deliverables in a timely manner, design criticism by individual instructors and assembled design juries; thoughtful engagement with critical questions regarding context.

Teaching Methods/Studio Methods
(please consult section specific methods)

Reference Texts:
For Required Readings: (please consult with section instructor)

- Colquhoun, Alan, *Typology and Design Method*, Perspecta, Vol. 12 (1969): 71-74.
- Evans, Robin, *The Projective Cast: Architecture and Its Three Geometries,* Cambridge, Massachusetts: MIT Press, 1995. (Introduction, pp xxv-xxxvii)
- Koolhaas, Rem, *Delirious New York*, New York: The Monacelli Press, 1944. (pp. 9-28; 152-160)
- Vidler, Anthony, *"Diagrams of Diagrams: Architectural Abstraction and Modern Representation,"* Representations, No. 72 (Autumn, 2000): 1-20.
- Stan, Allen, *Diagrams Matter*.
- Sola de Morales, *The Culture of Description*.
- Tanizaki, *In Praise of Shadows*.
- Ching, Francis, Architecture: Form, Space, and Order, 4th Edition, New Jersey: John Wiley & Sons, Inc, 2015.
- Ching, Francis, Architectural Graphics, 6th Edition, New Jersey: John Wiley & Sons, Inc, 2015.
- Ching, Francis, Building Structures Illustrated: Patterns, Systems, and Design, 2nd Edition, New Jersey: John Wiley & Sons, Inc, 2014.
- Lewis, Paul, Manual of the Section, New York: Princeton Architectural Press, 2016
- Petit, Emmanuel, Analytical Models in Architecture, New Haven: Yale School of Architecture, 2015.
- Pallasmaa, Juhani, The Thinking Hand: Existential and Embodied Wisdom in Architecture. West Sussex: John Wiley & Sons, 2009.
- Pyo, Miyoung, Architectural Diagrams 1: Construction and Design Manual, Berlin : Dom Publishers, 2011.

Note: A copy of the Reference Texts will be on reserve in the ARCH Library.

STUDENT PERFORMANCE CRITERIA (NAAB):

Realm A: Critical Thinking and Representation
Graduates from NAAB - accredited programs must be able to build abstract relationships and understand the impact of ideas based on the study and analysis of multiple theoretical, social, political, economic, cultural , and environmental contexts. Graduates must also be able to use a diverse range of skills to think about and convey architectural ideas, including writing, investigating, speaking, drawing and modeling. Students learning aspirations for this realm include:

- Being broadly educated.
- Valuing lifelong inquisitiveness.
- Communicating graphically in a range of media. Assessing evidence.
- Comprehending people, place, and context .
- Recognizing the disparate needs of client, community, and society.

A.1 Professional Communication Skills
Ability to write and speak effectively and use representational media appropriate for both within the profession and with the general public.

A.2 Design Thinking Skills
Ability to effectively use basic formal, organizational and environmental principles and the capacity of each to inform two and three-dimensional design.

A.6 Use of Precedents
Ability to examine and comprehend the fundamental principles present in relevant precedents and to make informed choices about the incorporation of such principles into architecture and urban design projects.

Realm B: Building Practices, Technical Skills, and Knowledge

Graduates from NAAB - accredited programs must be able to comprehend the technical aspects of design , systems , and materials and be able to apply that comprehension to architectural solutions. In addition, the impact of such decisions on the environment must be well considered. Student learning aspirations for this realm include: Creating building designs with well - integrated systems. Comprehending constructability. Integrating the principles of environmental stewardship. Conveying technical information accurately.

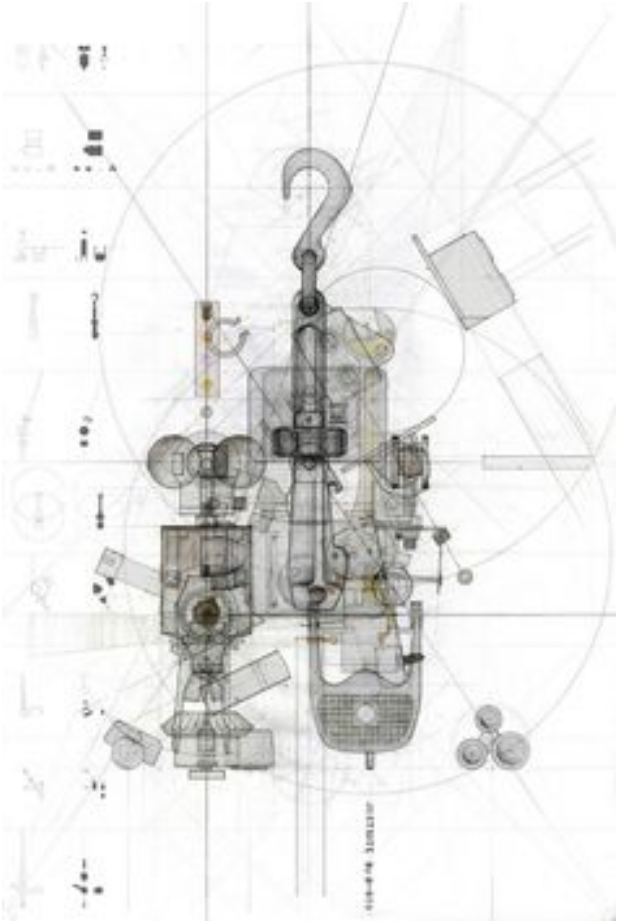
B.1 Pre-Design (In Coordination with Core HIST Arch Elective)
Ability to prepare a comprehensive program for an architectural project that includes an assessment
of client and user needs; an inventory of spaces and their requirements; an analysis of site conditions
(including existing buildings); a review 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.3 Codes and Regulations (In Coordination with Core HIST & Arch Elective)
Ability to design sites, facilities and systems that are responsive to relevant codes and regulations
and include the principles of life-safety and accessibility standards.

B.4 Technical Documentation (In Coordination with Core HIST, Arch Elective & 3350)
Ability to make technically clear drawings, prepare outline specifications, and construct models illustrating and identifying the assembly of materials, systems, and components appropriate for a building design.

B.5 Structural Systems (In Coordination with Core HIST, Arch Elective & 3350)
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.7 Building Envelope Systems and Assemblies (Introduction and in Coordination with Arch Elective & 3350)
Understanding of the basic principles involved in the appropriate selection and application of building envelope systems relative to fundamental performance, aesthetics, moisture transfer, durability, and energy and material resources.



Perry Kulper. Architecture Drawing

REQUIRED STUDIO SUPPLIES

Sketchbook
Specifics to be determined by instructor.

Computer
Students must possess and maintain their personal laptop computer for this class. A computer is required from the first day of class and must meet the minimum specifications outlined https://www.depts.ttu.edu/architecture/coa-resources/incoming/Computer_Requirements.php. Technical problems such as printing issues, server crashes, software incompatibilities, or machine failures are not acceptable excuses for not having required assignment material at the time it is due. It is HIGHLY recommended that you purchase an external hard drive to digitally backup your work on a regular basis throughout the semester.

Software
This studio will use: **Adobe Creative Cloud** which includes **Acrobat, Photoshop, Illustrator, Lightroom and InDesign** and may be rented with an student discount from Adobe at https://www.adobe.com/creativecloud/buy/students.html?PID=7163141

Rhino 6 for 2-d drafting and 3-d digital modeling which can be purchased with an educational discount at https://www.rhino3d.com/store?audience=Educational

These and more software programs are available on the computers in CoA's Computer Lab on the 9th Floor and is accessible to all students. Note that these have been limited due to COVID19.

The use of AutoCad 3D, Sketchup, or Revit is *not permitted* in this studio course.

Printing and Plotting
During this Fall 2020 semester most submissions for review will be digital. However, students may be asked to print their work for desk-critiques. Please allow at least one hour for printing to be executed. NO LAST minute RUSH printing. Prints will need to be picked up in the hallway on the 9th Floor. Consult the CoA print Lab for specifics.

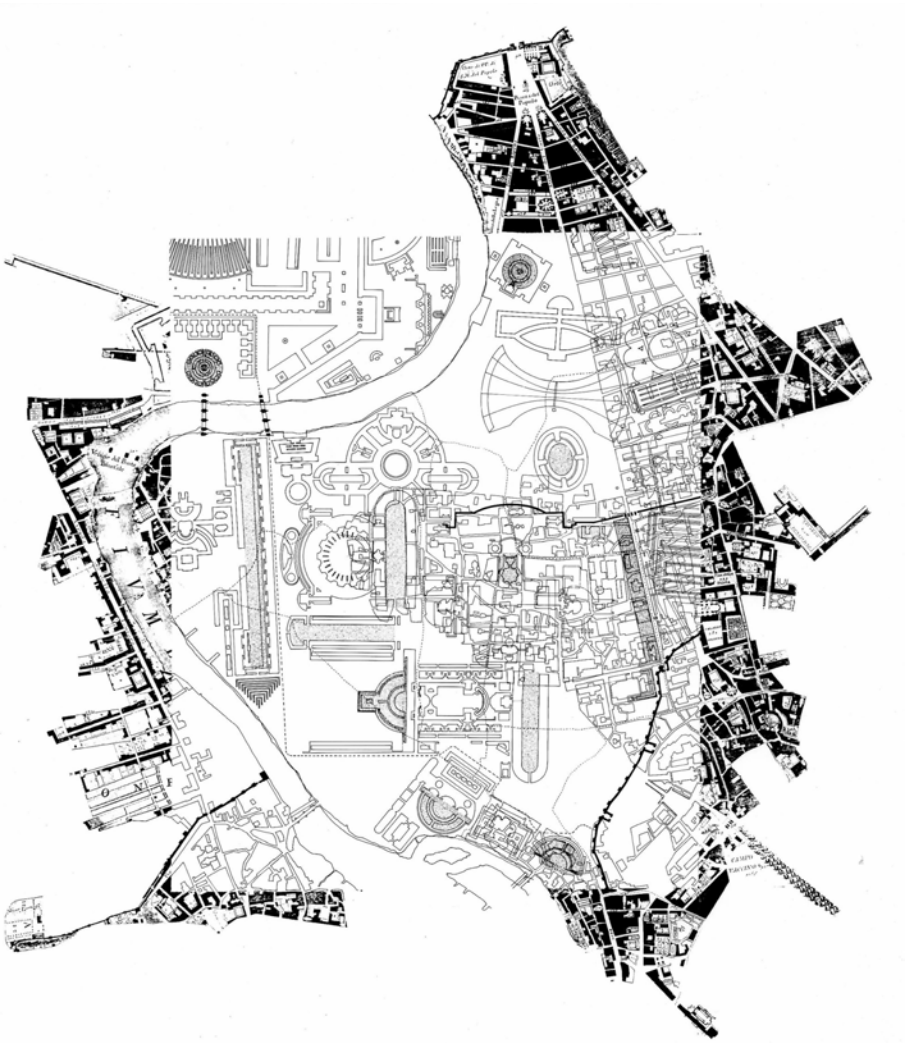
Drawing and Model Making Tools and Materials
During this Fall 2020 semester most required models will be digital. Some studio instructors may request you to make physical models. Shop use this semester is restricted and is by instructors consent only. Students are expected to have at all times at their desk @ least **a roll of tracing paper**, a set of white sheets of paper; a set of **mechanical pencils 0.5 or 0.7 mm HB_Black**, and model making materials as needed. Studios may be heavy in physical model-making; you will need: a **self-healing cutting mat**, x-acto blade with #11 **knives**, Elmer's or tacky **glue**, a 24" metal edge **ruler**, architectural scale ruler, triangles, drafting tape and **push-pins**. You may be required to purchase additional model-making materials during the semester. The shop on the Courtyard level is a good venue to obtain some materials. Model making materials might include: vellum, bristol, acetate, chipboard, museum board, foam core, acrylic sheet, plastic, fabric, metal, piano wire, basswood, *mdf*, plywood, etc. DO NOT use Spray-Can PAINT, USE water-based paint. Please consult the CoA shop Policy.

STUDIO ETHICS

The studio is the workplace of architecture. It needs to be cultivated as a space of intention, focus, and labor. It is not a place of recreation or recharge. The creation and maintenance of healthy studio culture is the responsibility of all members of the college community.

Therefore, it is important that everyone contributes to and follows a few basic rules at all times:

- Requests from anyone being inconvenienced or impeded from focusing on their work is always valid and must receive respectful responses in addressing/stopping any imposition.
- During class times there will be no digital communication, media display (not formally part of class), or mobile device use in the studio. Emergency communications should be addressed outside of studio space.
- No sound shall be broadcast throughout the studio – use personal headphones.
- Contribute a healthy and safe studio culture by properly disposing of trash and food waste – the studio is not a dining hall, use the student lounge or other spaces as needed.



STAN ALLEN. ON DRAWINGS

COVID 19 Information

Face coverings are required. Texas Tech University requires that students wear face coverings while in classes, while otherwise in campus buildings, and when social distancing cannot be maintained outdoors on campus.

Signage. Be attentive to signage posted at external and some classroom doorways that indicates entry and exit ways, gathering and queuing spaces, and availability of masks and hand sanitizer.

Seating assignments. The purpose of assigned seating is to assist in contact tracing, if necessary, and to augment social distancing. Students are expected to sit at a minimum of six feet apart. Seats in your studio will be marked as available and unavailable. A required seating chart will be created once everyone is positioned with appropriate social distancing. There will also be an orderly procedure, designed to ensure social distancing, for exiting the classroom. Please consult the Guidebook distributed at the All School Meeting for detailed information.

Illness-Based Absence Policy
If at any time during this semester you feel ill, in the interest of your own health and safety as well as the health and safety of your instructors and classmates, you are encouraged not to attend face-to-face class meetings or events. Please review the steps outlined below that you should follow to ensure your absence for illness will be excused. These steps also apply to not participating in synchronous online class meetings if you feel too ill to do so and missing specified assignment due dates in asynchronous online classes because of illness.

1. **If you are ill and think the symptoms might be COVID-19-related:**
a. Call Student Health Services at 806.743.2848 or your health care provider. After hours and on weekends contact TTU COVID-19 Helpline at 806.743.2911.
b. Self-report as soon as possible using the Dean of Students COVID-19 webpage. This website has specific directions about how to upload documentation from a medical provider and what will happen if your illness renders you unable to participate in classes for more than one week.
c. If your illness is determined to be COVID-19-related, all remaining documentation and communication will be handled through the Office of the Dean of Students, including notification of your instructors of the period of time you may be absent from and may return to classes.
d. If your illness is determined not to be COVID-19-related, please follow steps 2.a-d below.

2. **If you are ill and can attribute your symptoms to something other than COVID-19:**
a. If your illness renders you unable to attend face-to-face classes, participate in synchronous online classes, or miss specified assignment due dates in asynchronous online classes, you are encouraged to visit with either Student Health Services at 806.743.2848 or your health care provider. Note that Student Health Services and your own and other health care providers may arrange virtual visits.
b. During the health provider visit, request a “return to school” note;
c. E-mail the instructor a picture of that note;
d. Return to class by the next class period after the date indicated on your note.

Following the steps outlined above helps to keep your instructors informed about your absences and ensures your absence or missing an assignment due date because of illness will be marked

excused. You will still be responsible to complete within a week of returning to class any assignments, quizzes, or exams you miss because of illness.

If you have interacted with individual(s) who have tested positive for COVID-19:

Maintain a list of those persons and consult Student Health Services at 806-743-2911 or your primary care provider on next steps.

Do not return to class until you are medically cleared by your Health Care Provider.

UNIVERSITY and COLLEGE POLICIES

ACADEMIC REGULATIONS
Please consult the Texas Tech University Undergraduate and Graduate Academic Catalog 2018-2019 and the Texas Tech University Student Handbook for information about dropping a course, reporting illness, absence due to religious observance and academic integrity.

ADA Statement
Any student who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make any necessary arrangements. Students should present appropriate verification from Student Disability Services during the instructor's office hours. Please note: instructors are not allowed to provide classroom accommodations to a student until appropriate verification from Student Disability Services has been provided. For additional information, please contact Student Disability Services in West Hall or call 806-742-2405.

Academic Integrity
Academic integrity is taking responsibility for one's own class and/or course work, being individually accountable, and demonstrating intellectual honesty and ethical behavior. Academic integrity is a personal choice to abide by the standards of intellectual honesty and responsibility. Because education is a shared effort to achieve learning through the exchange of ideas, students, faculty, and staff have the collective responsibility to build mutual trust and respect. Ethical behavior and independent thought are essential for the highest level of academic achievement, which then must be measured. Academic achievement includes scholarship, teaching, and learning, all of which are shared endeavors. Grades are a device used to quantify the successful accumulation of knowledge through learning. Adhering to the standards of academic integrity ensures grades are earned honestly. Academic integrity is the foundation upon which students, faculty, and staff build their educational and professional careers. [Texas Tech University ("University") Quality Enhancement Plan, Academic Integrity Task Force, 2010]

Religious Holy Day
"Religious holy day" means a holy day observed by a religion whose places of worship are exempt from property taxation under Texas Tax Code §11.20. A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. A student who is absent from classes for the observance of a religious holy day shall be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence. A student who is excused under section 2 may not be penalized for the absence; however, the instructor may respond appropriately if the student fails to complete the assignment satisfactorily.

Discrimination, Harassment and Sexual Violence
Texas Tech University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from gender and/or sex discrimination of any kind. Sexual assault, discrimination, harassment, and other Title IX violations are not tolerated by the University. Report any incidents to the Office of Student Conduct, (806)-742-SAFE (7233) or file a report online at titleix.ttu.edu/students. Faculty and staff members at TTU are committed to connecting you to resources on campus. Some of these available resources are: TTU Student Counseling Center, 806-742-3674, Provides confidential

support on campus. TTU 24-hour Crisis Helpline, 806-742-5555, (Assists students who are experiencing a mental health or interpersonal violence crisis. If you call the helpline, you will speak with a mental health counselor.) Voice of Hope Lubbock Rape Crisis Center, 806-763-7273, (24-hour hotline that provides support for survivors of sexual violence.) The Risk, Intervention, Safety and Education (RISE) Office, 806-742-2110, (Provides a range of resources and support options focused on prevention education and student wellness.) Texas Tech Police Department, 806-742-3931, (To report criminal activity that occurs on or near Texas Tech campus.)

Civility in the Classroom
Texas Tech University is a community of faculty, students, and staff that enjoys an expectation of cooperation, professionalism, and civility during the conduct of all forms of university business, including the conduct of student–student and student–faculty interactions in and out of the classroom. Further, the classroom is a setting in which an exchange of ideas and creative thinking should be encouraged and where intellectual growth and development are fostered. Students who disrupt this classroom mission by rude, sarcastic, threatening, abusive or obscene language and/or behavior will be subject to appropriate sanctions according to university policy. Likewise, faculty members are expected to maintain the highest standards of professionalism in all interactions with all constituents of the university. Consult TTUs Statement of Ethical Principles.

LGBTQIA Support
I identify as an ally to the lesbian, gay, bisexual, transgender, queer, intersex, and asexual (LGBTQIA) community, and I am available to listen and support you in an affirming manner. I can assist in connecting you with resources on campus to address problems you may face pertaining to sexual orientation and/or gender identity that could interfere with your success at Texas Tech. Please note that additional resources are available through the Office of LGBTQIA within the Center for Campus Life, Student Union Building Room 201, www.lgbtqia.ttu.edu, 806.742.5433.

ATTENDANCE
The CoA's Attendance Policy states that students are responsible for attending all scheduled class meetings for the full class period. A total of four (4) absences is considered excessive, requiring the student to drop the course or receive a grade of "F" in compliance with drop deadlines. Arriving late or leaving early will be recorded as a partial absence. All absences are considered unexcused except absences due to religious observance, officially approved trips, or documented sick leave. Students are expected to comply with rules for reporting student illness requiring absence from class for more than one week or immediate family member deaths. See Academic Regulations. Attendance is defined as full participation in all studio activities including group and individual critiques, lectures, presentations, demonstrations, discussions, in class assignments, and possible field trips. Attendance requires students to have the necessary tools and supplies available for all studio activities (i.e.: computer, drawing and modeling materials, and shop safety equipment). Excessive tardiness, leaving early, lack of participation, walking in and out, undivided attention, goofing around, and disruptive behavior will be recorded as an absence. Working on assignments from other classes is not allowed during class time.

GRADING (Please consult section specific grading criteria)
Evaluation of student performance is based upon the ambition of daily studio progress and the resolution of final products presented during formal reviews. Final reviews are our exams! Persistent production and hard work are expected. Improvement and growth are essential. The general criteria will consider the following: strength of idea, articulation and development, process, technical competency, clarity, craft, clear architectural position as communicated in words/models/drawings, passion, commitment, dedication and rigorous work ethic.

Instructors conduct expert reviews of overall student performance relative to all students in the course, following major stages of the semester. Evaluations are based on years of experienced review of student work and are not negotiable.
Phase evaluation will be determined by an average scoring (from 0-100%) of:

- **Intention – clarity and strength of concept**
- **Development – persistence of effort and evolution**
- **Representation – refinement of craft and communication**

Participation is defined as completed work, delivering work on time, attendance record, professional behavior, studio dialogue, and time given to iterative development—**rigor!**
Note: All requirements and deadlines must be completed in a timely manner. Extensions to due dates will not be granted. Expect a substantial reduction of your grade for late or incomplete work and failure to present during the scheduled reviews (see schedule). A grade of 'C' or above is required to pass this course.

Grades are defined as follows:

A - Superior/Excellent (90-100%)
Accurate and complete work that exceeds the level and requirements requested by the instructor. Consistently showing scholarly initiative, innovation, attempts, discrimination and discernment.

B - Above Average (80-89%)
Accurate and complete work meeting the requirements of the instructor, and exceeding the level requested in a few. Often showing scholarly initiative, innovation, attempts, discrimination and discernment.

C - Average (70-79%)
Accurate and complete work meeting the requirements of the instructor and requiring minimal corrections. Work satisfactory but needs improvement. Inconsistently showing scholarly initiative, innovation, attempts, discrimination and discernment.

D - Unsatisfactory (60-69%)
Work that is often inaccurate or incomplete, not meeting the minimum requirements of the instructor. Rarely showing scholarly initiative, innovation, attempts, discrimination and discernment.

F - Unacceptable (0-59%)
Work that is unacceptable therefore, not defined.