

The University of Texas at Arlington
CAPPA - School of Architecture

Instructor: Dennis A. Chiessa
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Office Hours: MWF 5:00 – 6:00 pm (email if you need to meet)

Syllabus: ARCH 5592 Design Studio II
Location: Arch 209
Meeting Time: MWF 2:00 PM – 4:50 PM

Description of Course Content:

ARCH 5592 Design Studio II

A continuation of ARCH 5591. Studio course emphasizing the interrelationship of formal/spatial ideas, use, and the building fabric. Prerequisite: ARCH 5591.

Pedagogy:

Teaching architecture principles focuses on developing the student's ability to understand what an architectural idea is, how it is developed, and how to implement it into a design problem. The design process is explored through experimentation. Lectures and design exercises emphasize the development of an architectural idea.

Student Performance Criteria:

Student learning objectives are coordinated to reflect the National Architectural Accreditation Board (NAAB) Student Performance Criteria (refer SOA website). The criteria for ARCH 5592 encompasses two levels of accomplishment as follows:

- 1. Ability:** Skill in using specific information to accomplish a task in correctly selecting the appropriate information, and in applying it to the solution of a specific problem.
 - A.1 Professional Communication Skills:** Ability to write and speak effectively and use representation media appropriate for both within the profession and with the general public.
 - A.2 Design Thinking Skills:** 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:** Ability to gather, assess, record, and comparatively evaluate relevant information and performance in order to support conclusions related to a specific project or assignment.
 - A.4 Architectural Design Skills:** Ability to effectively use basic formal, organizational and environmental principles and the capacity of each to inform two and three dimensional design.

A.5 Ordering Systems: Ability to apply the fundamentals of both natural and formal ordering systems 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.

B.2 Site Design: Ability to respond to the site characteristics, including urban context and developmental patterning, historical fabric, soil, topography, ecology, climate, and building orientation, in the development of a project design.

B.5 Structural Systems: 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.

2. **Understanding:** The capacities to classify, compare, summarize, explain and / or interpret information.

A.7 History and Global Culture: Understanding of the parallel and divergent histories of architecture and the cultural norms of a variety of indigenous, vernacular, local, and regional settings in terms of their political, economic, social, ecological, and technological factors.

A.8 Cultural Diversity + Equity: Understanding of the diverse needs, values, behavioral norms, physical abilities, and social and spatial patterns that characterize different cultures and individuals and the responsibility of the architect to ensure equity of access to sites, buildings, and structures.

B.3 Codes and Regulations: 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.5 Structural Systems: 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: 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.7 Building envelope Systems and Assemblies: 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.

B.8 Building Materials and Assemblies: 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.

Requirements:

Prerequisite: ARCH 5591

Required Textbooks:

Experiencing Architecture, Steen Eiler Rasmussen
Towards a New Architecture, Le Corbusier
Form, Space, and Order, Ching

Descriptions of major assignments and examinations:

There will be 3 major assignments:

1. Precedent Analysis + Presentations – each student will be assigned a precedent building to analyze and present to the rest of the class through drawings and models.
2. Architectural Project – Latino Cultural Center at Artes de la Rosa. Design gallery and support spaces at Artes de la Rosa around the existing Rose Marine Theater in the North Side of Fort Worth. The project will include design of natural lighting system for the galleries and exterior spaces within the site.
3. Portfolio – semester documentation in the form of a portfolio – digital and physical – due at the end of the semester.

Schedule (tentative):

| Week | Monday | Wednesday | Friday |
|-------------|-----------------------|---|-------------------------------------|
| 01_1.16 | | Introduction, Precedents assigned ACAD intro | Light in Architecture Desk Crits |
| 02_1.22 | ADLR Site visit | ACAD precedent redlines | Desk Crits |
| 03_1.29 | Model - Craftsmanship | Desk Crits | Precedent Drawings due |
| 04_2.05 | Precedent Model 50% | Desk Crits | Prec. Model due |
| 05_2.12 | ADLR FW visit | Conceptual Design | Conceptual model due |
| 06_2.19 | Desk Crits | Desk Crits | Site strategy Pinup |
| 07_2.26 | Museum field trip | Desk Crits | Desk Crits |
| 08_3.05 | Desk Crits | Pinup 2 SM2 | Field Trip out of town |
| 09_3.12 | Spring Break | Spring Break | Spring Break |
| 10_3.19 | Desk Crits | Study Model 3 | Desk Crits |
| 11_3.26 | Desk Crits | Desk Crits | Pinup 3 Context model |
| 12_4.02 | Desk Crits | Desk Crits | Building Codes – Quiz 5 |

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| 13_4.09 | Desk Crits | Desk Crits | Pinup 3 final prelim. |
| 14_4.16 | Desk Crits – design dev. | Drawings updated | Context model |
| 15_4.23 | Section Model | Section Model | Final Review |
| 16_4.30 | Portfolio | Portfolio Final Review Week | Final Review Week |

Attendance:

At The University of Texas at Arlington, taking attendance is not required but attendance is a critical indicator in student success. Each faculty member is free to develop his or her own methods of evaluating students' academic performance, which includes establishing course-specific policies on attendance. As the instructor of this section, I will take attendance every day. However, while UT Arlington does not require instructors to take attendance in their courses, the U.S. Department of Education requires that the University have a mechanism in place to mark when Federal Student Aid recipients "begin attendance in a course." UT Arlington instructors will report when students begin attendance in a course as part of the final grading process. Specifically, when assigning a student a grade of F, faculty report the last date a student attended their class based on evidence such as a test, participation in a class project or presentation, or an engagement online via Blackboard. This date is reported to the Department of Education for federal financial aid recipients.

Attendance in this course is mandatory. Three absences are allowed. For each additional absence students will receive a one letter grade reduction from his/her overall course grade. Students are expected to attend every class session and all field trips.

Students are expected to be in class during the entire class session. Disappearing for substantial amount of time will result in the student being absent. Being tardy, leaving early, or disappearing for extended periods of time during class will amount to the equivalent of one absence per 3 occasions. Students will be considered late if they are not in class at the moment attendance is called. It is the student's responsibility to inform the instructor when he/she comes in late. If late, student should assume attendance was taken and he/she was marked 'Absent'.

Pinups are mandatory, being absent during a pinup will result in half a letter grade reduction of final grade.

Other Requirements:

There will be field trips during the semester, students are required to attend all field trips as these form an important part of the content of the class. It is the student's responsibility to arrange transportation to the site. Carpooling is strongly recommended.

Grading:

Work is due at the commencement of class on the assigned date. **Late work shall not be accepted.**

A – Exceptional

B – Above Average

C – Average

D – Poor

F – Failing

Letter grade definitions:

A – Exceptional:

Student has strongly exceeded all requirements as provided by instructor. The work products and quizzes reflect genuine comprehensive understanding of concepts and design vocabulary. The work not only meets the requirements of the project but also exceeds the scope of work. An 'A' student challenges all reading material, lectures and assignments in a consistent process through an architectural dialogue with the instructor, critics and fellow students

B – Above average:

Student has completed all requirements as provided by instructor. The work products and quizzes reflect strong comprehension of objectives, vocabulary and reading assignments. Student participates in most class discussions, asks appropriate questions and shows genuine interest in developing design skills. Presentations are well-crafted, with attention to detail.

C – Average:

Student has completed all requirements as provided by instructor. The work products and quizzes reflect basic comprehension of design objectives, vocabulary and reading assignments. The student is prepared for most sessions with new work. Student participates in some class discussions, asks few questions and shows little interest in developing design skills. Presentations are completed to meet requirements only.

D – Poor:

Student has not completed all requirements as provided by instructor. Design solutions fail to reflect basic design principles, and demonstrate a lack of comprehension of course material. Student rarely participates in class discussions and shows little initiative to advance design vocabulary. Assignments are rarely completed on time. Final drawings and models are poorly crafted with little attention to detail and minimal delineation of concepts.

F – Failing:

The following, in whole or in part, constitute a failing grade: student completes only a portion of the requirements as provided by instructor, the student demonstrates lack of comprehension of course material, the student is ill prepared for sessions, the student does not participate in class discussions, and shows no initiative to advance design vocabulary; assignments are not completed on time; final presentations are crafted poorly without attention to detail and lack delineation of concepts.

Final evaluation will be broken down as follows:

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| Participation/Daily progress | 10 % |
| Precedent Presentations | 20 % |
| ADLR Project | 60 % |
| drawings | 20 % |
| models | 20 % |
| design | 20 % |
| Final Portfolio | 10 % |

Grades are final and not negotiable.

Cell Phones and Computers:

Cell phones should not be a distraction during class time. Texting, talking, watching videos, and use of social media on your phone/computer is not permitted. Computers should only be used for completing assignments. Student will be asked to leave the studio and will be counted absent if he/she violates this policy. Audio and video recording of class lectures is **prohibited**, however student may write notes on their notebooks/sketchbooks or type them on their laptops.

Drop Policy:

Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering.

Students will not be automatically dropped for non-attendance. Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://www.uta.edu/aao/fao/>).

Disability Accommodations:

UT Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including *The Americans with Disabilities Act (ADA)*, *The Americans with Disabilities Amendments Act (ADAAA)*, and *Section 504 of the Rehabilitation Act*. All instructors at UT Arlington are required by law to provide “reasonable accommodations” to students with disabilities, so as not to discriminate on the basis of disability. Students are responsible for providing the instructor with official notification in the form of a letter certified by the **Office for Students with Disabilities (OSD)**. Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting:

The Office for Students with Disabilities, (OSD) www.uta.edu/disability or calling 817-272-3364.

Counseling and Psychological Services, (CAPS) www.uta.edu/caps/ or calling 817-272-3671.

Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

Title IX:

The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit uta.edu/eos. For information regarding Title IX, visit www.uta.edu/titleIX.

Academic Integrity:

Students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

*I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.
I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.*

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

Student Support Services:

UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at www.uta.edu/resources.

Electronic Communication:

UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

Campus Carry: Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. Under the new law, openly carrying handguns is not allowed on college campuses. For more information, visit <http://www.uta.edu/news/info/campus-carry/>

Student Feedback Survey:

At the end of each term, students enrolled in classes categorized as "lecture," "seminar," or "laboratory" shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

Final Review Week:

A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week.

During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

Emergency Exit Procedures:

Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit, which is located on the southwest corner of the building. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.

Student Support Services:

UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at <http://www.uta.edu/universitycollege/resources/index.php>

Additional Information:

Faculty members should feel free to incorporate any of the following information into your course syllabus or other course materials.

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| Library Home Page | http://www.uta.edu/library |
| Subject Guides | http://libguides.uta.edu |
| Subject Librarians | http://www.uta.edu/library/help/subject-librarians.php |
| Course Reserves | http://pulse.uta.edu/vwebv/enterCourseReserve.do |
| Library Tutorials | http://www.uta.edu/library/help/tutorials.php |
| Connecting from Off- Campus..... | http://libguides.uta.edu/offcampus |
| Ask a Librarian | http://ask.uta.edu |

Emergency Phone Number:911 or 817.272.3003

Non-Emergency UTA PD:817.272.3381

USE OF AEROSOL MATERIALS, PAINTS, AND OTHER HAZARDOUS CHEMICALS:

Due to health and safety regulations and University policy, no spray paints, adhesives and other hazardous aerosol products are allowed in the building. Furthermore, no painting or use of flammable or other hazardous chemicals is allowed anywhere in the building, including and especially the fire stairs. Use of such chemicals is a hazard to your health and safety and that of other building occupants. It is also against the law. Spray painting and similar activities are only permissible in the approved ventilated spray booths in the School Shop.

Violations of this policy will be subject to both academic and civil penalties.