

ARCH 3553-001: Architecture Design I Fall 2015
Instructor(: Steven Quevedo, Associate Professor
Office Number: ARCH 316
Office Telephone Number: 817-272-2801
Email Address:squevedo@uta.edu
Faculty Profile: <http://www.uta.edu/profiles/steven-quevedo>
Office Hours: Monday, Wednesday, Friday 1:00 -2-00 PM or by appointment

Section Information: ARCH 3553-001

Time and Place of Class Meetings: Architecture Building, Room: 312 A ARCH Monday, Wednesday and Friday 2:00 – 4:50 AM,

Description of Course Content: ARCH 3553 DESIGN STUDIO: ARCHITECTURE I (3-6) The application of basic design principles/spatial concepts toward the synthesis of simple building types. Credit will be given for only one of ARCH 3553 or INTD 3553.

Prerequisites: Prerequisite: ARCH 2552. Credit or concurrent enrollment in ARCH 3323 and ARCH 3343. Junior standing in program. Restricted to Architecture majors.

Course Objectives + Pedagogy: The design process incorporates analysis, site and environmental concerns relating to a building's structure, construction, application and detail of materials. The course is organized into three sections: Project One: The Constructive Means - Investigation of a Historical Precedence, Project Two: a small institution building and Project Three: A Landscape Project. Each project is established to reinforce basic design principles developed in ARCH 2551 and 2552. In addition, coordination with the Construction and Material course ARCH 3323 introduces basic structural types and construction methods. In the latter part of the course, reiteration of graphic skills both analog and digital will be part of the graphic grade. This will focus of crossover development from ARCH 3343.

OBJECTIVES

- To reinforce formal ordering systems of the Basic Design and Drawing courses, this studio is a bridge between the Basic Studies Sequence [1st + 2nd Year] and the Major Studies Sequence [3rd + 4th Year]. Initial exercises focus on reiteration of the second semester, second year, ARCH 2552, final assignments.
- To investigate in small-scale buildings, simple construction systems, materials and assemblies, particularly those that advance the criteria of sustainability and efficiency. Research focuses on building envelope systems and the application of materials, which further and exhibit innovative and recent technologies. Coordination with ARCH 3323-Construction Materials and Structural Concepts will include visiting lectures from the Building Technology faculty.
- To investigate building service systems, life safety systems, structural systems, circulation, building code compliance, spatial organization and section development as per applicable for this level studio.
- To investigate the site conditions and context as critical characteristics in the development of a program and design of a project. The program and its internal pressures initiate, first, as generic form studies and investigations of type and precedence. Subsequent development evolves with specific responses to external forces of the site. This objective seeks to anticipate urban design issues of ARCH 3554 and site design in Arch 3337, both subsequent courses in the third year studies

Pedagogy

- **Design Process:** Emphasis on development of a systematic design process, which can be taught and practiced. Students learn the development of a project over a period of time by means of sketches and study models, understanding and response to critiques as objective evaluation. Emphasis is placed on the completion of assignments on due dates with all required drawings and models.
- **Design Theory:** Development and understanding of design as methodological spatial investigations, realized by the making of drawings and models. Students, through scholarly research and reiteration of history as a source for architectural precedence, will explore the creation of architectural ideas as workable knowledge, tectonics and reflection on a society, culture, traditions and environments. Students are assigned a series of reading articles and are expected to incorporate and implement these design ideas and theories.
- **Design Critique:** Investigate and further introduce the design process as a continuous and evolving series of sketching, study models, presentation drawings design critique and design response via desk critiques, pin-ups and juries.
- **Design Vocabulary:** Continuing development of a design vocabulary of terms, principles and realized through their application throughout the design process. The analogous relationship of language can be seen as an enhancement towards the development of an architectural idea and the shaping of theory. The design vocabulary is one of both written words and text but reinforced through the graphic language of conventional and conceptual drawings.

Student Performance Criteria + Learning Outcomes:

This course will address the following outcomes, as outlined by the **2014 National Architectural Accreditation Board (NAAB)**. (Please see attached *Student Performance Criteria* for full listing of criteria):

Required:

- **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.
- **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 and Social 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.

Introduced

- 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.
- B.1 Pre-Design:** 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:** Ability to respond to 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.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.4. Technical Documentation:** 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:** 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.

Reading File: A number of articles will be assigned on a regular basis throughout the course of the semester. These articles have been selected as further explanation of class lectures and enhancements to the studio projects. Throughout your tenure these articles may resurface in

other classes. It would be worthwhile for your education to maintain a file binder of these articles for future references. Periodically you will be tested on both lectures and reading assignments.

Bibliography:

An Architecture Notebook Wall, Unwin, Simon, London ; New York : Routledge, 2000.

Building Construction Illustrated, Ching, Francis D.K. and Adams, Cassandra. 2001

Building the Future : Building Technology and Cultural History from the Industrial Revolution until Today, Pfammatter, Ulrich, New York : Prestel, c2008.

Carlo Scarpa: Architecture and Design, Beltramini, Guido and Zannier, Italo, ed. Centro Internazionale di Studi di Architettura Andrea Palladio, Rizzoli, New York, 2006.

The Details of Modern Architecture, Ford, Edward R., Cambridge, Mass. : MIT Press, c2003. Volumes I and II.

Design and Analysis by Bernard Leupen, Christopher Grafe, Nicola Kornig, Mark Lampe, and Peter Zeeuw.; Van Nostrand Reinhol, New York, 1997.

Facade Construction Manual, Herzog, Krippner, Lang, Basel; Boston: Birkhauser-Publishers for Architecture, c2004.

Koetter Kim & Associates : Place/Time, New York : Rizzoli, 1997.

Louis I. Kahn : In the Realm of Architecture, Brownlee, David G. and De Long, David G., introduction by Vincent Scully, New York, NY : Universe Pub. ; Los Angeles, CA : Museum of Contemporary Art ; [New York : Distributed to the U.S. trade by St. Martin's Press], 1997.

Louis I. Kahn : The Construction of the Kimbell Art Museum / [design and organization of the exhibition and catalog, Luca Bellinelli], Kahn, Louis I., 1901-1974. Milano, Italy : Skira ; Mendrisio [Switzerland] : Università della Svizzera italiana, Accademia di architettura ; New York : Distributed in North America and Latin America by Abbeville Pub. Group, 1999.

Modern Construction Facades, Watt, Andrew, Wien ; New York : Springer, c2005.

Renzo Piano Building Workshop : Complete Works, Buchanan, Peter. London: Phaidon Press, c1993-2000. Vols. 1-5.

Studies in Tectonic Culture : The Poetics of Construction in Nineteenth and Twentieth Century Architecture, Frampton, Kenneth; edited by John Cava. Cambridge, Mass. : MIT Press, c1995.

Teaching Architecture-Bernard Hoesli at the Department of Architecture at the ETH Zurich, Jurg Jansen, Hansueli Jorg, Luca Maraini, Hanspeter Stockli, editors.

Ten Canonical Buildings 1950-2000, Eisenman, Peter, Peter Eisenman ; foreword by Stan Allen ; edited by Ariane Lourie. New York : Rizzoli : Distributed to the U.S. trade by Random House, 2008.

Visual Notes for Architects and Designers, Crowe, Norman and Laseau, Paul; John Wiley and Sons, Inc. New York, 1984.

Walking through Le Corbusier : A Tour of his Masterworks, Baltanás, José, text and photographs, London ; New York : Thames & Hudson, 2005.

Why Architects Draw, Robbins, Edward, The MIT Press; Spi Edition, 1994.

MAJOR EXERCISES AND PROJECTS

Weeks 1 – 2 : The Constructive Means Analysis Project August 28 to Sept 4

An analysis project of an institutional building, which exemplifies contemporary structures, materials and programs will follow the exercises. This analysis will involve a series of diagrams, which explore design principles, building systems, site, plans, sections and façade investigations. The analysis will be comparative in nature and include sketches, models and final presentation drawings.

There will be a series of design exercises at the beginning of the semester, which corresponds to the required reading assignments. These exercises are designed to introduce the student to basic structures, application of materials, wall sections and design theory, reinforcing fundamental design principles and introduce primary building systems.

Weeks 3 – 4: Wall Exercises Sept 9 to Sept 18

There will be a series of design exercises at the beginning of the semester, which corresponds to the required reading assignments. These exercises are designed to introduce the student to basic structures, application of materials, wall sections and design theory, reinforcing fundamental design principles and introduce primary building systems.

Weeks 5– Week 9:Project One Sept 23 to Oct 30

The first major project will be an institutional building, of 10,000 to 15,000 S.F., situated in a confined context. The project will address site, program, structure and construction.

Weeks 10-15 Garden Project Oct 27 to Dec 4

The final project will be the design of a small intervention within the context of an Italian garden.

Portfolio: Week 14-15 Dec 4 to Dec 9

Lastly each student will be responsible for a portfolio saved on a CD and printed on 8 1/2" x 11" format. This portfolio will be due at the end of the semester. Failure to turn in this portfolio will result in an incomplete in the class until this criteria is met.

Census Date : September 14, 2015

Last Day to Drop : November 4, 2015

"As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. –Steve Quevedo, Associate Professor

Attendance: The attendance policy for this course allows for three absences after which time your final grade will be reduced by one letter grade. You may also be advised to withdraw from the course, as three absences constitute an entire week of missed classes and serious compromises your success in passing this course. Per current university policy, it is the student's responsibility to withdraw if you are unable to attend class. Therefore your instructor cannot drop you, but your grade can be affected as daily progress grades are recorded on your work in reviews, pinups and final juries. The studio space provided should be considered your workplace. Attendance means coming to class on time, using the studio time to its full potential for work. Class attendance may be taken at any time during posted studio hours. If you leave during studio time, for an extended period of time, this can be considered an absence. An extended period of time would be more than half the scheduled three hours class. Appointments, shopping errands to the art store, working in the computer lab, etc. should all be scheduled at other times than studio.

Grading: Students' projects will be evaluated on the basis of an ability to successfully execute studio assignments reflecting an understanding of design principles and the development of spatial concepts and objectives. 2/3 of your grade will be based on design work and 1/3 on graphic presentation. Each week counts as 1/15 of your grade. The total amount of time per week spent on each exercise and project will be calculated in determining your final grade. On the three major projects, invited jurors will assign grades based on your completion of the project objectives. Their grades will be averaged and distributed accordingly. Throughout the semester, a series of reviews and juries will be scheduled. These "pinups" will require a number of sketches, final drawings and models. The reviews are mandatory, equivalent to tests and therefore cannot be missed. In other words, pinups are not an option! Typically a letter grade reflecting your progress will be given at this time. Late work is not acceptable and will not be graded.

Grades are an assessment of your design comprehension and ability to execute design objectives as given in each design assignment. Reviews, critiques and final juries are a continuation of the learning opportunities provided in a studio and in your overall architectural education. Grades are determined by both quality of design ideas and their execution through quantity of work. Grades are not negotiable.

Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels. See "Student Support Services," below.

A = Excellent (Delight)-Project shows inventive solution to given design problems, offering final solution to the given design problems with insightful ideas. Design reflects comprehensive development of concepts and results in providing additional design ideas to the given problem. The design project not only solves the design problem but adds to the program, context or explores the possibilities beyond the given assignment. Design project applies all objectives and principles discussed in studio, exhibits complete comprehension of reading assignments and lectures. Student exhibits professional use of studio time and space. Student presents project in a professional manner.

B = Good (**Strong**)- Project resolves design program in an appropriate manner, executes all given design assignments and project requirements according to deadlines. Design solutions exhibit strong understanding of design objectives, comprehension of reading assignments and lectures. Concepts are developed and find reasonable design solutions. Design process is reinforced by logical decisions, applying precedence and particular attention to how an architectural idea originates and then developed. The student participates in class, during pinups and desk critiques, complete project requirements on time.

C = Average (**Functions**) - Minimum passing. Completes design projects to deadline, shows comprehensive understanding of course objectives, resolves design problems within given criteria and objectives outlined in the project briefs. Presentation drawings and models are complete. Craft communicates ideas in models and drawings, but lack any initiative beyond set requirements.

D = Poor Design work does not meet basic program requirements and design objectives. Graphics cannot convey design intentions through drawings and models. Projects are not completed on time, shows little evidence of reading and lectures comprehension. Design progress negates previous assignments by being behind or never strives to make up missed work. Student fails to participate in class.

F = Failing Design projects do not exhibit any comprehension of design objections, do not resolve program requirements, do not complete presentation requirements and the student misses or does not pinup during preliminary and/or final reviews.

Grading Scale

A =9 B= 8 B-= 7 C+= 6 C= 5 C-= 4 D=3 D-= 2 F=1 F-= 0

Make-up Work: There are no exceptions for late work on the design projects. Late work results in a “Zero” grade. With regards to the drawing assignments, work may be turned in one day late but will result in a one letter grade reduction.

Expectations for Out-of-Class Study: A general rule of thumb is this: for every credit hour earned, a student should spend 3 hours per week working outside of class. Hence, a 5-credit course might have a minimum expectation of 15 hours of reading, study, building models, drawing, library research, etc.] Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional 15 hours per week of their own time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

Grievance Procedures Related to Grades: Information regarding grievances for matters other than grades is available in the Student Rights section of the catalog.: Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current University Catalog. For undergraduate courses, see <http://catalog.uta.edu/academicregulations/grades/#undergraduatetext>;

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://wweb.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 is committed to upholding U.S. Federal Law “Title IX” such that no member of the UT Arlington community shall, on the basis of sex, be excluded from

participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit www.uta.edu/titleIX.

Academic Integrity: Students enrolled all UT Arlington courses 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.

Wood Shop Safety Training: Students registered for this course must complete a woodshop safety training during the course of the class or if possible in a prior course. This orientation session is required before you can use the wood shop equipment. The training will be conducted by:

Jeffrey Whatley
Materials Workshop Manager
817.272.5070
jaw@uta.edu

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>.

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 either through the central stairs or the adjacent fire exit in the south part of the Architecture 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 individuals with disabilities.

UT Arlington Procedure 7-6: Emergency/Fire Evacuation Procedures (<https://www.uta.edu/policy/procedure/7-6>.)]

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.

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.

Writing Center : The Writing Center, 411 Central Library, offers individual 40 minute sessions to review assignments, *Quick Hits* (5-10 minute quick answers to questions), and workshops on grammar and specific writing projects. Visit <https://uta.mywconline.com/> to register and make appointments. For hours, information about the writing workshops we offer, scheduling a classroom visit, and descriptions of the services we offer undergraduates, graduate students, and faculty members, please visit our website at www.uta.edu/owl/.

Librarian to Contact:

Mitch Stepanovich
Architecture Librarian
817.272.2945
stepanovich@uta.edu

UT Arlington Library Resources

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

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>
- Database List <http://www.uta.edu/library/databases/index.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>

The following URL houses a page where we have gathered many commonly used resources needed by students in online courses: <http://www.uta.edu/library/services/distance.php>.

The subject librarian for your area can work with you to build a customized course page to support your class if you wish. For examples, visit <http://libguides.uta.edu/os> and <http://libguides.uta.edu/pols2311fm> . If you have any questions, please feel free to contact Suzanne Beckett, at sbeckett@uta.edu or at 817.272.0923

Emergency Phone Numbers: In case of an on-campus emergency, call the UT Arlington Police Department at **817-272-3003** (non-campus phone), **2-3003** (campus phone). You may also dial 911.

It is strongly recommended that you enter the UTA Police Department's emergency phone number into your own mobile phone. For non-emergencies, contact the UTA PD at 817-272-3381.