The University of Texas at Arlington
CAPPA - School of Architecture

Instructor: Dennis A. Chiessa
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Office Hours: M – F by appointment
GTA: TBD

Syllabus: ARCH 3343 005 + INTD 3343 Arch Computer Graphics – Design Communication III
Location: Arch 109
Meeting Time: T/TH 4:00 PM – 6:50 PM

Description of Course Content:

ARCH 3343 Arch Computer Graphics

An advanced course to develop visual sensitivity and awareness of digital techniques to enable the student to study design ideas and present those ideas in the various design disciplines. Emphasis on the relationship of computer graphics with the design process.

INTD 3343 INTR Design Communication III

This is an introductory digital design course that strives to develop visual sensitivity and awareness of the digital environment enabling students to present ideas graphically. This survey course focuses on general exposure to computer visualization software from 2D Vector and 2D Raster based programs to an introduction of basic 3D modeling. Emphasis is placed on the relationship of digital skills and graphic communication of ideas and presentation in both digital and printed media.

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. This class will focus on the use of digital tools to communicate design ideas.

Requirements:

Restricted to Architecture and Interior Design majors, Junior status in respective program.

Recommended Texts + Other Requirements:

No textbook is required for this class. It is recommended to subscribe to **Lynda.com** for reference.
Flashdrives and External Hard Drives for backing up files are required.
Software Required: Autodesk's AutoCAD, 3DS Max, Adobe CC, Rhino, Lumion.

Descriptions of major assignments and examinations:

There will be 7 assignments in this class. Each assignment is designed to strengthen the student's skills in the specific software packages and to develop proficiency in each and their interoperability. Each assignment builds on previous assignment, so it is important to be present for every class period.

1. ACAD – Basic 2D ACAD – Drawing Plans, Sections, Elevations, diagrams
2. Rhino – 3D model
3. 3D exports, diagrams, compositing
4. Adobe – InDesign, PS, Illustrator, Premier
5. Lumion - Rendering
6. Animation
7. Final project.

Schedule (tentative):

Week	Tuesday	Thursday
01_8.23		Intro, ACAD interface, Basic commands
02_8.28	ACAD Layers, Plot Tables	Print - Redlines
03_9.4	Print – Redlines	2D Final, Begin 3D Model
04_9.11	3D Model 25%	Adobe CS, 3D Model 50%
05_9.18	3D Model 100%, Illustrator	3D Diagrams
06_9.25	Lumion Intro	Lumion Exterior shot due
07_10.2	Lumion Interior	Lumion Interior Due, begin night scene
08_10.9	3D Prints – Boards	Final Boards Due, Begin animation
09_10.16	3DS MAX	Animation, Premier
10_10.23	Premier	Premier – movie draft due
11_10.30	Precedent Digital Portfolio due	Final Project given
12_11.6	PS – Compositing, PS Renderings	Rhino – non-Euclidian form
13_11.13	Final Project – Drawings	Final Project Model
14_11.20	Final Project Model	Final Diagrams
15_11.27	Final Renderings	Final Renderings
16_12.4	Final project work day	

17_12.10   Final portfolio due, 10 am.

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 have established the following attendance policy:

Two absences are allowed, after which you will be advised to withdraw from the class. For each additional absence students will receive a one letter grade reduction from his/her overall course grade. Students are expected to attend every studio session and all pin ups and reviews. Excuses are unacceptable for incomplete work and absences.

Students are expected to be in studio during the entire class session. 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'.

The studio space is set up as a learning environment, working in studio is mandatory during class time and strongly encouraged outside of class time.

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.

Other Requirements:

The SOA requires that 3rd year ARCH and INTD students have a personal laptop configured to the schools specifications. See attached minimum requirements for laptops to run Lumion.

Coming to class without tools or things to work on/with will result in conference and student will be advised to go get his/her things to work on and will be counted absent. Redlining drawings is still a primary vehicle for iterative design process. Presentation material is refined through a process of revisions. **You must PRINT.**

Grading:

Each assignment is equally important to further develop overall comprehension of course material and is considered mandatory.

Excellent craftsmanship is essential in architecture and will be a component of consideration for assignment evaluations. Craftsmanship helps develop architectural skills including attention to detail, articulation, and an understanding of jointure and connection. Craftsmanship is an important factor in model building, but also includes precision in drawing, printing and presentation.

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

All evaluations of work shall be based on the students' design comprehension, mastery of course material, and the ability to communicate design thesis through dialogue, and visual presentation.

A – Exceptional
B – Above Average
C – Average
D – Poor
F – Failing

Letter grade definitions:

A – Exceptional:

Student has a clear understanding of graphic, digital, design concepts being investigated. Student demonstrates exemplary competency of content presented during class. Student's work exhibits exceptional graphic sensibility.

B – Above average:

Student has an understanding of most graphic, digital, design concepts being investigated. Student demonstrates above average competency of content presented during class. Student's work exhibits above average graphic sensibility in a majority of the assignments.

C – Average:

Student has completed all requirements as provided by instructor. Student meets minimum expectation for competency of digital media and graphic representation.

D – Poor:

Student is inconsistent in completing assignment to the minimum expectation. Partial understanding of digital media presented in class.

F – Failing:

Student demonstrates a lack of understanding of graphic, digital and design principles being investigated. Poor graphic presentation. Needs significant improvement.

Final evaluation will be broken down as follows:

Daily Progress/final sub.	10 %
ACAD 2D	10 %
3D Model 1	10 %
3D Diagrams (CS)	10%
Renderings Ext.	5%
Renderings Int.	5%
Hybrids	5%
Presentation Boards	5%
Animation/Max, Lumion	10%
Premier movie	10%
Final Project	20%

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.

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

Counseling and Psychological Services, (CAPS)

www.uta.edu/caps/ or calling 817-272-3671 is also available to all students to help increase their understanding of personal issues, address mental and behavioral health problems and make positive changes in their lives.

Non-Discrimination Policy:

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.

Title IX Policy:

The University of Texas at Arlington ("University") is committed to maintaining a learning and working environment that is free from discrimination based on sex in accordance with Title IX of the Higher Education Amendments of 1972 (Title IX), which prohibits discrimination on the basis of sex in educational programs or activities; Title VII of the Civil Rights Act of 1964 (Title VII), which prohibits sex discrimination in employment; and the Campus Sexual Violence Elimination Act (SaVE Act). Sexual misconduct is a form of sex discrimination and will not be tolerated. *For information regarding Title IX, visit* www.uta.edu/titleIX or contact Ms. Michelle Willbanks, Title IX Coordinator at (817) 272-4585 or titleix@uta.edu

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/studentsuccess/success-programs/programs/resource-hotline.php

The IDEAS Center (2nd Floor of Central Library) offers **FREE** tutoring to all students with a focus on transfer students, sophomores, veterans and others undergoing a transition to UT Arlington. Students can drop in, or check the schedule of available peer tutors at www.uta.edu/IDEAS, or call (817) 272-6593.

The English Writing Center (411LIBR): [Optional.] The Writing Center offers **FREE** tutoring in 15-, 30-, 45-, and 60-minute face-to-face and online sessions to all UTA students on any phase of their UTA coursework. Register and make appointments online at https://uta.mywconline.com. Classroom visits, workshops, and specialized services for graduate students and faculty are also available. Please see www.uta.edu/owl for detailed information on all our programs and services.

The Library's 2nd floor Academic Plaza offers students a central hub of support services, including IDEAS Center, University Advising Services, Transfer UTA and various college/school advising hours. Services are available during the library's hours of operation. http://library.uta.edu/academic-plaza

Librarian to Contact: Mitch Stepanovich, stepanovich@uta.edu

Additional Information:

    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.