**School of Architecture | Georgia Tech | Spring 20xx**

ARCH 4017: Architectural Design Studio VII (6 credits)

Credit Hours: 6 credits (12 contact hours)

Days and hours of class: MF 1:10 – 6:10pm / W 1:10 – 3:10 (SoA events following)

Prerequisite: ARCH 4016

Instructor: Name

Office location/Email address

Office Hours

**Course Description** (from the Catalog) Go to <http://www.catalog.gatech.edu/colleges/coa/architecture/#coursestext> to find the course description for the class.

Advanced studies in architectural design emphasizing application of analytical, conceptual and representational skills within projects that engage and problematize context culturally, ecologically and technologically.

**Instructional Methods**

The studio will be our learning laboratory to discuss, develop, and advance an architectural proposal grounded in a critical position. The studio will make use of traditional (and proven) methods of teaching architectural design, such as specific design assignments, desk crits (individual and group), informal public pin-ups/reviews and discussions, formal design juries, lecturing, oral defenses, design workshop, readings, field trips, etc.

Course information (syllabus, calendar, assignments) and announcements will be conveyed via Canvas. Students should make it a habit to check the site regularly for any announcements related to the studio.

Attendance is mandatory during class time. Consequently, you are required to be in studio during the regular class hours, as excessive absences may affect your final grade. If, for any reason you need to leave studio early, your critic's permission is required.

# Learning Objectives

By the conclusion of this course students should be able to demonstrate confidence and skill in the schematic design and design development of an architectural project of moderate scale and complexity showing evidence of increasing ability:

* Collaboration: Ability to work in collaboration with others and in multidisciplinary teams to successfully complete design projects.
* Human Behavior: Understanding of the relationship between human behavior, the natural environment, and the design of the built environment.
* Client Role in Architecture: Understanding of the responsibility of the architect to elicit, understand, and reconcile the needs of the client, owner, user groups, and the public and community domains.
* Leadership: Understanding of the techniques and skills architects use to work collaboratively in the building design and construction process and on environmental, social, and aesthetic issues in their communities.
* Ethics and Professional Judgment: Understanding of the ethical issues involved in the formation of professional judgment regarding social, political, and cultural issues in architectural design and practice.
* Community and Social Responsibility: Understanding of the architect’s responsibility to work in the public interest and to improve the quality of life for local and global neighbors.

**Capstone Design Studio Overlay**

The Spring vertical studios operate as a platform to allow students to participate in the Spring Capstone Design Expo. Each section will participate and compete. The goal of the Capstone Design project is for students work in teams to design, build, and test prototypes with real world applications. The Capstone Design Expo is typically held on the last instructional day of the term. The Expo is open to the public and judging will occur from 4:30‐6:45PM. All students should make plans to stay for the Award’s Ceremony (7:00‐8:00PM). There will be additional information about team registrations around late February/early March.

* Studios will be grounded by clear design thinking through research-based methodologies.
* Studio projects will be rooted in collaboration in team-based projects with architecture students alongside students in other disciplines.
* Each studio will offer a one-hour research presentation to the full group of students in the vertical studios. Dates TBD.
* Studios will rely on interdisciplinary collaboration with another school at Georgia Tech. Design studio critics will develop design problems in collaboration with faculty from other schools.

Each team in the Capstone Design Expo is judged on a 1 to 5 scale, 5 being the best.

Criteria for the Capstone Design included:

* Creativity (5 – Original, non‐obvious solution/recommendation);
* Utility (5 – Solution has large impact on the design challenge);
* Quality of analysis – used to scope the problem and/or test a hypothesis (5 – Demonstrated an insightful analysis that accurately applies relevant models and methods)
* Proof of function – would the solution work? (5 – Successfully validated all critical aspects of the designed solution (through physical prototype and/or simulation)
* Presentation – did the team adapt their presentation to your level of understanding? (5 – Produced a clear and comprehensive presentation (oral and/or visual)

Awards for the 2017 Capstone Design included: Best overall Team ($3K), Best Interdisciplinary Team ($1.5K), and Best Team from each School ($1K) – select second best if the first best is awarded the best overall.

# Course Requirements

Specific assignments will be given and graded throughout the semester, as a team and individually. These assignments will be part of the deliverables for the reviews. In addition, a broader list of deliverables will be distributed during the semester for each review. The design process and execution involves multiple layers and steps, some of which are happening simultaneously. As such, the assignments describe a process framework within which individual components are organized. Students should read each Assignment carefully and determine how to best address the multiple aspects of each one.

# Assignments

Note: Phases and percentages determined at discretion of studio instructor. All work, unless otherwise noted, is prepared individually.

Phase 1 - Preparation

Phase 2 - Design Project: Part 1

Phase 3 – Design Project: Part 2

Phase 4 - Design Integration + Presentation

Phase 5 – Design Review + Portfolio Submission

**Archiving**

In some courses, selected students may be required to submit physical examples of their work or digital examples no later than one week after the end of term, to their instructors or administration for archiving. By enrolling, each student grants a license to reproduce and display his or her work. This is a chance for students to have their work shown online and potentially featured in forthcoming publications.

# Assessment

Note: Phases and percentages determined at discretion of studio instructor. All work, unless otherwise noted, is prepared individually.

Phase 1 - 15%

Phase 2 - 15%

Phase 3 – 15%

Phase 4 -15%

Phase 5 – 40%

# Class Schedule

See attached annotated class schedule. Please note: this schedule is subject to periodic revisions over the course of the term. Updated schedules will always be posted on the shared course folder.

# COURSE POLICIES

**Attendance**

Attendance at all class meetings is mandatory and crucial to successful completion of this course. If you do not present your work or participate in class your course grade will be affected. Attendance will be taken at the beginning of each class period and punctual arrival is required. Late arrivals or departures from class will be counted as absences; **more than two unexcused absences or three total absences will be grounds for reduction of your course grade by a full letter grade**. Absences will be excused only for medical or family emergencies documented in writing. Student must contact instructor as soon as possible to inform them of the emergency situation. Failure to do so will potentially result in an unexcused absence.

Don’t jeopardize your overall performance and course grade by skipping class. You are not allowed to work on assignments for other courses during class meeting times for this course.

Your grade for this course will be determined based upon the quality of the work you produce, your improvement over the course of the semester, completion of required course assignments, quality of class participation, and attendance, attitude and ethical conduct.

Link to GT Attendance Policy - <http://catalog.gatech.edu/rules/4/>

**Grading**

Your grade for this course will be determined based upon the quality of the work you produce, your improvement over the course of the semester, completion of required course assignments, quality of class participation, and attendance, attitude and ethical conduct. Other factors impacting your grade include attendance, participation, timely completion of work, the depth of engagement in studio issues, and on demonstrating progress throughout the semester. Craftsmanship and competent and consistent execution of models and drawings is also important and it is factored into your grades. Remember, grades are earned by you – not given by your instructor.

* A grade of “F” indicates a failure to meet the studio requirements, including attendance, minimum requirements concerning presentation and fulfillment of studio requirements. In case of an “F”, the studio will need to be repeated.
* A grade of “D” means that you have significant attendance problems, your studio performance is poor, including failure to meet deadlines, the basic requirements of the studio, and/or your project is not plausible.
* A grade of “C” means that you have met the minimum requirements of the studio, but your project is plausible, even if substantially undeveloped.
* A grade of “B” means that you have met the basic requirements of the studio and that your project is developed to the point where evaluation can be made according to the studio’s themes and criteria.
* A grade of “A” means that your project clearly represents both a clear understanding of studio themes and criteria, and a self-motivated exploration beyond the basic course requirements. Projects that receive grades of “A” are exemplary projects in terms of concept, production, and craft.

Evaluation of a student’s performance in each course is the responsibility of the instructor for that course. If the grade is disputed, a student may appeal to the instructor for a review. If, after the review, the student still believes that a grade has been assigned unfairly, the student may submit a written request for a grade appeal to the School Chair. The petition must clearly state the reasons for the appeal. A committee of faculty and students will convene to review the work and make a decision as to whether the grade will stand or be changed. Petitions must be settled and a final grade submitted to the registrar no later than three weeks after the end of the term in which the course was completed. The School Chair will inform the student of the committee’s decision regarding the grade appeal, and their decision is final.

A student may receive a grade of incomplete (I) by requesting permission from the instructor prior to the date of the final examination or presentation. Permission will be granted only under extraordinary circumstances and usually for medical reasons.

# Academic Integrity and Conduct

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. All Georgia Tech students should familiarize themselves with and abide by the Georgia Tech Honor Code: <http://www.catalog.gatech.edu/rules/18/>. Any student suspected of cheating on a quiz or exam or caught plagiarizing will be reported to the Office of Student Integrity.

For expectations of student and instructor conduct more generally, consult section 19 of the catalog listed above, entitled “Code of Conduct,” http://www.catalog.gatech.edu/rules/19/, and section 22, entitled “Student-Faculty Expectations,” at http://www.catalog.gatech.edu/rules/22/.

All persons in the classroom are expected to behave with courtesy towards others and in a way that does not interfere with the regular conduct of the class. Cell phones are to be turned off when students enter the classroom and should remain off for the duration of class; laptop computers are to be used only for taking notes; and students should not engage in private conversations while the instructor or other students are speaking. Anyone who does not adhere to these basic courtesies will be asked to leave.

# Accommodations for Students with Disabilities

Any student with a disability, that may require accommodation, should contact Office of Disability Services at 404-894-2563 or visit <http://disabilityservices.gatech.edu> to make an appointment to discuss his or her special needs and obtain an accommodations letter. He or she should also schedule an appointment to speak with the course instructor.

**Emergencies**

In case of emergency (e.g., fire, accident, or criminal act), please call the Georgia Tech Police at 404-894-2500. Please note that Perry Minyard, IT Support Administrator for the College of Architecture, is also a firefighter and an Emergency Medical Technician (EMT) certified in performing CPR.

**Ownership**

Physical copies of student work submitted to the school to satisfy course requirements—including, but not limited to digital files, papers, drawings, and models—become the property of the school. It is assumed as no obligation to safeguard such materials and may, at its discretion, retain them, return them to the student, or discard them.

# College of Design Facility Rules and Guidelines

Please consult the Georgia Tech Student Handbook regarding the use of facilities and all Institute policies. Aerosol sprays of any kind are strictly banned from the studio and surrounding areas. A new spray painting booth is now in operation in the COA shop, on the ground floor of the East Architecture Building.

Shop Use: All students using shop facilities must first have completed an orientation. Safety first, always! Noise should be kept to a minimum. Music may be listened to only through headphones, including evenings and weekends.

Studio Housekeeping: Students should feel free to organize their space creatively and expressively, but with respect to others around them. Try to prevent clutter from becoming a nuisance, distraction, or a hazard. The cleaning staff makes every effort to determine what is and is not trash, but their job can be made easier if you keep drawings filed and models off of the floor.