This course introduces students to standard digital drawing techniques in architectural practice. Looking at digital tools as a medium for producing and communicating architecture space, the main purpose of this course is not just to learn and become familiar with architecture software, but to encourage a creative use of digital tools to both generate and express spatial constructs.

The course will be organized around a series of exercises initiating students to: (1) modeling in Rhino, and (2) image post-production with Adobe (Photoshop & Illustrator).
Digital assignments will be centered on canonical buildings in order to familiarize students with major architecture works across history. During the course students will digitally “build”, “enter” and “alter” selected aspects of these buildings. A process of digital manipulation and reassembly of fragments will expose students to creative design techniques. 3d modeling in its most expansive sense is a technique of abstraction mediating the kind of information it foregrounds as well as it excludes. As such it provides the designer a tool for editing reality’s complexity. At the same time the model also serves as a means to synthesize information. As a 3D micro world, it can generate new relationships between parts, providing the designer with a tool to fabricate new realities. Students will move between modeling as an editing and a generative tool to understand how digital models can inform concept formation, spatial organization and form finding. Throughout the course, we will address both, technical issues, as well as conceptual questions related to design processes, visual communication and representation.

Course Objectives:

- To introduce students to 3d modeling software (Rhino).
- To introduce students to image processing software (Adobe).
- To present a students with a series of design techniques.
- To become familiar with major design works across history with a special emphasis on contemporary design of the 20\textsuperscript{th} century up through the present time.
- Spatial exploration through digital tools in the design process.

Class Conduct / Work Ethic: Students are expected to work in class diligently on class assignments unless excused by individual faculty. Professional conduct is expected from all students. Participating in the following activities will result in your suspension from the studio: smoking indoors, possession of any illegal substances, using toxic materials in non-designated areas, pouring plaster and/or ink in the sinks, harassing colleagues, violation of shop safety regulations, and violation of general safety on campus.

During class hours, you are expected to be actively and productively engaged in your work. To facilitate this:

- Turn off cell phones and other messaging devices
- Turn off facebook and other social networking sites

Course Communication: All students in this course will be required to maintain a university e-mail account and will be required to access online course material. Students are expected to check their utexas.edu e-mail on a daily basis for class updates.

Required Materials: You are required to obtain appropriate tools and materials for the course. A lack of tools and materials is not an acceptable excuse for incomplete or weak work.

Readings: Electronic copies will be distributed.

Archive: All aspects of all projects should be saved until after the end of the term. All work should be protected for exhibit purposes.

Deadlines: Deadlines for exercises/course projects will be listed on written project statements in addition to being announced in class. All projects will be due at the beginning of class on the due date unless otherwise indicated. Projects submitted after the due date will be evaluated but will not receive a grade (grade = 0).

Grading: Your work will be evaluated on its rigor and evolution over the course: the demonstration of competence, completeness, and finesse through representation. Participation/preparedness/timeliness account for the remaining 10\% of final grade. There will be several assignments, 90\% of the final grade will be the average of the percentage grades on individual assignments. Deadlines must be respected as the work will be discussed collectively. Failure to submit work on time will result in a reduction of one letter grade for each day late. Grades will be assigned as follows:
A/A-: Exceptional work. Meets and exceeds all criteria. Indicates clear understanding of all material and concepts. Perfect attendance and constructive participation.

B+/B/B-: Above average work. Meets all criteria. Indicates good understanding of all material and concepts. Excellent attendance and active participation.

C+/C/C-: Average work. Meets minimum criteria. Indicates some difficulty in understanding material and concepts. Adequate attendance and participation.

D+/D/D-: Below average work. Indicates serious difficulties in understanding material and concepts. Poor attendance and participation.

F: Failure. Indicates work not submitted on time, unexcused absences, inadequate understanding of materials and concepts.

X: excused incomplete

Given only for legitimate reasons of illness or family emergency. Incomplete assignments are not a cause for assigning this grade. An incomplete is assigned after consultation with the Associate Deans’ offices. Incomplete coursework must be completed prior to the beginning of the following semester.

Attendance: Attendance is mandatory. Participation is expected. A student that is more than 15 minutes late to class – or leaves class early without permission - will be marked as absent. Three late arrivals (up to 15 minutes late) equal one absence. The minimum penalty for more than three unexcused absences is a full letter drop in your final grade for the course; more than five (5) absences will result in the grade of F for the course. Please contact the instructor prior to class if you expect to be late or miss class. An absence will only be excused with the appropriate submission of a physician’s note.

Religious holy days sometimes conflict with class and examination schedules. If you miss an examination, work assignment, or other project due to the observance of a religious holy day you will be given an opportunity to complete the work missed within a reasonable time after the absence. You must notify each of your instructors as far in advance as possible prior to the classes scheduled on dates you will be absent to observe a religious holy day.

Disabilities: Students with disabilities who require special accommodations need to get a letter that documents the disability from the Services for Students with Disabilities area of the Office of the Dean of Students (471-6259 voice or 471-4641 TTY for users who are deaf or hard of hearing). This letter should be presented to the instructor in each course at the beginning of the semester and accommodations needed should be discussed at that time. Five business days before an exam the student should remind the instructor of any testing accommodations that will be needed. Students with disabilities may request appropriate academic accommodations from the Division of Diversity and Community Engagement, Services for Students with Disabilities, 512-471-6259, http://www.utexas.edu/diversity/ddce/ssp/