

IARC 473/573 Working Drawings COURSE

Grading Options: Pass/No Pass Only for all students

4.00 cr. | Spring Term 2020 | Tues/Thurs 4:00-5:50 | LA 279

Instructor: Kelsey Buzzell



image credits: buildLLC

COURSE DESCRIPTION:

This course will cover the elements that comprise a small set of construction documents and will inspire an appreciation of the composition and detail associated with these important documents. Learning **Revit** in class and applying it to your designs is required. It will prepare you to be able to organize and produce a small complete and beautiful set of construction documents. This class is a companion with IARC 487/587 Working Drawings Studio, which requires attention to savvy detailing and sustainable thinking for the design of a small retail space. This course counts as an Advanced Technology Course within the Department of Architecture and is open to ARCH students outside of the Studio. The course may not be taken independently from studio.

GRADING: The course is pass/no pass ONLY. Grading will be based on assignments, quizzes and drawing documents, judging overall graphic clarity, working drawing organization, and the accuracy and completeness of individual drawing elements. Graduate students will have additional requirements for the final drawing set.

SOFTWARE: For assignments and in-class exercises, students should have access to their own computer loaded with **Revit 2019** (which only runs on Windows). An academic version of the software can be obtained for free from <http://students.autodesk.com>.

COURSE OBJECTIVES:

Convey design intentions through a small set of working drawings/construction documents for an adaptive reuse project. Learning to develop the scope of work from demolition to design plans, sections and elevations, basic utilities and systems construction details and FF&E. Develop the clarity of information presented in working drawings utilizing drawing standards and graphic symbols. Produce documents that clearly communicate with your client, and enable receiving accurate bids and the production of good quality construction from a contractor. Learn processes and techniques that make documents clear, accurate and efficient to produce and share. Learn to integrate design intentions with local and national/international building codes. Learn how to make decisions about locating and integrating furniture with building systems and structure. Research sustainable/green products and developing a strategy for utilizing products and their performance. Learn about professional business practices related to construction and documentation.

COURSE CONTENT/METHOD: The Working Drawings course is independent, yet it is taught in conjunction with the Working Drawings Studio. Aspects of the course and studio will interrelate at times. While there will be separate assignments, there may be some distinct crossover as well. Working Drawings course content includes lectures, discussions, field trips, in-class work sessions, assignments, quizzes, and individual critique.