ARCH 4/570
BUILDING CONSTRUCTION
The Art of Building

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Lectures: Tu/Th 8:30-9:50, Room 177 Lawrence

Labs: Each student will attend one two-hour lab per week. Labs will be scheduled at a later date.

Credits: 4 Credit Hours, required for professional majors in Architecture.

Prereq's: Undergrads (470) are required to have completed two terms of studio. Grads (570) are required to have completed one term of studio.

Course Content:
A thorough understanding of the methods and materials of building construction is fundamental to the process of architectural design. This course will provide students with a foundation of knowledge in construction systems through the exploration of steel frames, masonry, concrete, and heavy timber frames. In addition, light wood frame construction will be studied in some detail because of its predominance in our building culture. This emphasis on a single system will establish a foundation for further study of larger scale systems in subsequent courses. Issues of sustainability in building system design and construction process will be engaged throughout.

The course will be conducted in a lecture format with labs, and will include readings, field trips, lab projects, and lab discussions. A series of projects will include the analysis of sustainable building systems and the construction of detailed models. The importance of quality and craft will be stressed throughout the course.