



Carnegie Mellon University

School of Architecture
College of Fine Arts, CFA 201
Carnegie Mellon University
Pittsburgh, PA 15213



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48767: Transdisciplinary Thinking

12 Units

Instructor: Stephen Quick

Course Description

Transdisciplinary Thinking is a compendium of Architectural, Engineering, and Construction (AEC) practice, methods, and management with an emphasis on how the AEC professions can more effectively work together by understanding each other's roles, responsibilities, and professional perspectives. Through readings, reporting, role playing, discussions, and papers the learning objectives of this course are for students to understand how and why each of the AEC professions think and act the way they do in a variety of professional situations throughout all phases of project delivery. By learning through perspective-taking students will, whatever the student's final practice situation, be capable of understanding the complexity, personal and professional responsibilities, risks, and critical thinking behind the decision-making and actions undertaken by others in the delivery of AEC services.

The course will cover all the subjects in CSI's *The CSI Project Delivery Practice Guide, Third Edition* (2020), the required textbook for the course, supplemented by other readings and professional materials produced by the AEC industry.