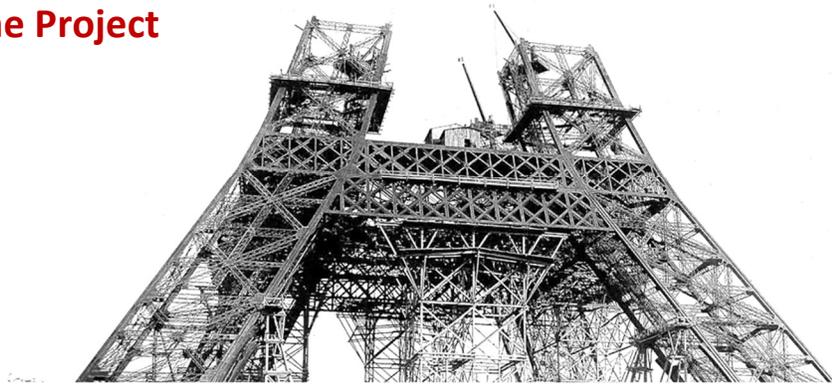


Professional Practice I: The Project



Course Information

Course Number:	ARCH 6710
Semester:	Spring 2024
Lecture Meeting Time:	Every Thursday, 12:00pm-1:30pm
Lecture Location:	In-person instruction: Meyerson B3
Instructor:	Philip Ryan AIA info@studiomodh.com
Graduate Assistant	<i>To be announced</i>
Resources:	Canvas: https://canvas.upenn.edu/courses/1771534 Miro: https://miro.com/app/board/uXjVN8zhAz0=/

Course Introduction

What you will learn in this class The Professional Practice Sequence comprises two essential courses: ARCH 6710 in the Spring of the second year and ARCH 7710 in the Fall of the third year. These courses play a pivotal role in integrating the student's design, history and theory, and technical expertise into the broader framework of the regulatory, business, and cultural realms they will encounter in their professional journey. The discipline of architecture demands an inquisitive mind capable of synthesizing a multitude of technical, aesthetic, social, and conceptual elements. This essential characteristic is not limited to the mere creation of built spaces; it also extends to formulating a process of labor that is both responsible and fair, and capable of adapting to the ever-changing conditions of the world.

Arch 6710 will begin by briefly outlining the overall course sequence in order to locate the first section in the context of the next course in the Fall, Arch 7710. From there, the course will describe the methods involved in acquiring, designing, and constructing a building project. Lectures will delve deep into the mechanisms for articulating a design vision visually and verbally and the systems employed to insure successful implementation of that vision. The lectures will draw connections between the student's studio design knowledge to date and the instructor's experience in practice including local building examples and guest lectures by relevant professionals.

Due to the limited time allotted per class for ARCH671, the course will be predominantly in-class lecture and out of class assignments.

Course Objectives

- Learn about the history of Practice in the U.S. and how that has impacted the organization, strengths, and weaknesses of practice.
- Introduce and define the different participants in the design and construction process including their roles and relationships
- Describe the process of going after different types of work, assessing clients, and developing a proposal
- Progress from the awarding of work through the design, documentation, and construction process. This will introduce the student to the following phases:
 - Programming
 - Concept Design and Master Planning
 - Schematic Design
 - Design Development
 - Construction Documents
 - Cost Estimation
 - Construction Administration
 - Construction Observation
- Establish an understanding of the inter-relation of cost, quality, time, and embodied energy in the specification and design of buildings
- Understand how design can be considered through the lens of cradle to cradle and cradle to grave
- Understand the impact that local, state, and federal regulations have on the design process and building execution
- Examine liability, risk management, and the tools used by Architects to protect themselves, their clients, and the public
- Discuss the role architecture plays in many of the critical issues in our world including climate change, finance, and collective action

How the Lectures are structured

In Person

Lectures related to Professional Practice content will be given live during the scheduled meeting time for one hour and twenty minutes. All students are expected to attend unless they inform the instructor that they will not be able to attend due to COVID related, other medical restrictions. Students will need to provide a medical note or positive COVID test to be excused. Recordings may be available for the course but it is the student's responsibility to make up for missed work using peers notes or other resources. Attendance will be tracked through role call in class.

Course Workload

Weekly Workload

A student can expect a workload as follows:

- 1 hour and 20-minute hour lecture
- 1-2 hour weekly assignment/reading or weekly quiz

Assignments will be given throughout the semester that will build up to an eventual full, final report at the end of the semester. This report will collect revised/edited versions of previous assignments as well as new components of the assignments given over the course of the semester.

Assignments

Assignments are given and described on the CANVAS website. A rubric is included with each assignment describing the parameters the instructor or G.A. will use in grading the assignment. All assignments are submitted ONLINE either through CANVAS or a GOOGLE FORM. Late assignments submitted within 5 days will receive the rubric grade reduction. Assignments submitted later than that will be given ½ credit. Excessively late assignments will be accepted at the instructor's discretion.

Quizzes

Short, five question, weekly quizzes will be given during weeks when no assignment is due. The quizzes will be based on lecture content from the current week's lecture. The quiz is given on CANVAS (online). Students will have 30 minutes to complete the test once it has started. The quiz shall be completed within seven days of being given.

Podcast / Video / Reading Engagement

For select reading, videos or podcasts, the class will be expected to post comments and questions (anonymously if you prefer) to the class miro board.

Course Materials + Expectations

Reading

The following texts will be used actively throughout the course:

- *Professional Practice, A Guide to Turning Designs into Buildings, Paul Segal FAIA*
- *The Architecture Student's Handbook of Professional Practice, 14th edition*
- *American Institute of Architects, Code of Ethics & Professional Conduct, 2012*
- *Other reading material will be assigned in class and posted to the class website*

Books are available at the Book store, Architecture Library for review, as well as at Amazon.com and other online book sources.

Other Content

Over the course of the semester, podcasts, videos, and other online content will be assigned and posted to the CANVAS website. The content may be tested on via quizzes or other write-ups.

Course Policies

Attendance

Attendance is mandatory at lectures. A significant amount of material is covered in each lecture and follow up labs. Attendance is registered via participation in lectures and labs through role call attendance at the start of class. Attendance is also re-affirmed through a student's successful participation in assignments and quizzes. Students are expected to attend all classes for the entire scheduled meeting time and are responsible for completing assignments and for knowing the material covered in class. Students are allowed one absence without a final course grade reduction. After the allowed absence a student's final course grade will be reduced one-half level for each additional absence (e.g. after the second absence from a seminar the final course grade will be lowered from a B+ to a B, after the third absence from a B to B-, etc.).

Grading

Grading will be tracked on CANVAS for all aspects of the class. Please note that the final "weighting" of the grades will be done near the end of the semester. Grades are weighted based on the following percentage distribution:

- 10% attendance
- 15% Quizzes
- 35% Assignments
- 40% Final Assignment
-

Final letter grades will be based on the following numeric groupings:

• 99%+	A+	77-79	C+
• 95-98	A	76-76	C
• 90-94	A-	70-72	C-
• 87-89	B+	Below 69	F
• 83-86	B		
• 80-82	B-		

Note that an incomplete is granted for medical or special circumstances only and must be arranged with the instructor and department prior to the end of the semester.

Class Website

The class will use the University of Pennsylvania CANVAS course website for the distribution of assignments, information, and all discussion regarding grades or issues related to the class. This is a secure website that is being used, in accordance with Federal and University policies, to protect your privacy.

The site is located at: <https://canvas.upenn.edu/courses/1771534>

Instructor Bio

Philip Ryan RA Instructor Bio

Philip Ryan is the principal and founder of Studio Modh Architecture (www.studiomodh.com), an AIA award winning firm in Brooklyn, NY. Prior to forming the studio, Philip Ryan worked for Tod Williams Billie Tsien Architects in New York for fourteen years in design and management leadership capacities before leaving as a Senior Associate in 2012.

His design and construction experience while at the office was extensive including notably the design and construction of the AIA Honor Award winning American Folk Art Museum in New York, the AIA Honor Award winning Skirkanich Hall at the University of Pennsylvania, and the AIA Honor Award winning Barnes Foundation in Philadelphia, PA. The experience at Tod and Billie's studio has equipped him with a deep appreciation for the capabilities of architecture to enhance place as well as a sophisticated understanding of how to innovatively use material and detail buildings of import.

Studio Modh Architecture is actively engaged in a wide variety of institutional, commercial, and residential projects across the United States. Recently completed projects include the headquarters for the Motivate / Citibike group, the new Creative and Critical Writing Centers at the University of Pennsylvania, and a conceptual design for Princeton University's Facilities Group to facilitate the future growth of nearly 300,000 square feet of space on campus.

Teaching is a critical component of the architectural process and Philip has taught graduate and undergraduate studios at the Rhode Island School of Design and City College of New York. He has been a guest critic at the University of Texas at Austin, RISD, Yale University, City College, Columbia University, and the University of Pennsylvania.

Philip is a registered Architect in the state of New York, New Jersey, Connecticut, and Pennsylvania, a member of the American Institute of Architects, and has been certified by NCARB.

University Code of Academic Integrity

University of Pennsylvania's Code of Academic Integrity

Since the University is an academic community, its fundamental purpose is the pursuit of knowledge. Essential to the success of this educational mission is a commitment to the principles of academic integrity. Every member of the University community is responsible for upholding the highest standards of honesty at all times. Students, as members of the community, are also responsible for adhering to the principles and spirit of the following Code of Academic Integrity.*

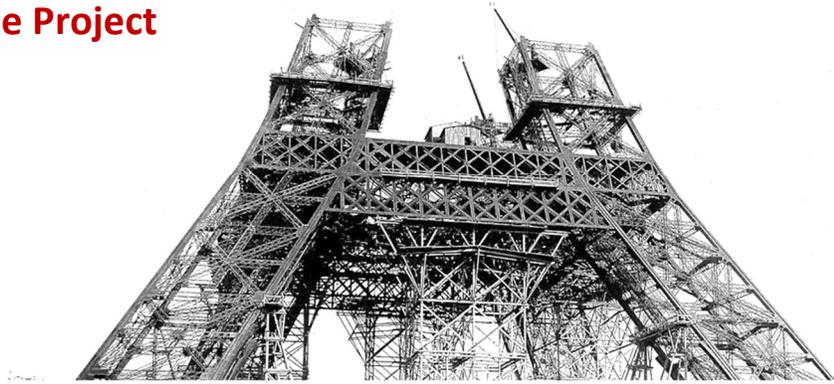
Academic Dishonesty Definitions

Activities that have the effect or intention of interfering with education, pursuit of knowledge, or fair evaluation of a student's performance are prohibited. Examples of such activities include but are not limited to the following definitions:

Cheating	Using or attempting to use unauthorized assistance, material, or study aids in examinations or other academic work or preventing, or attempting to prevent, another from using authorized assistance, material, or study aids. Example: using a cheat sheet in a quiz or exam, altering a graded exam and resubmitting it for a better grade, etc.
Plagiarism	Using the ideas, data, or language of another without specific or proper acknowledgment. Example: copying another person's paper, article, or computer work and submitting it for an assignment, cloning someone else's ideas without attribution, failing to use quotation marks where appropriate, etc.
Fabrication	Submitting contrived or altered information in any academic exercise. Example: making up data for an experiment, fudging data, citing nonexistent articles, contriving sources, etc.
Multiple Submissions	Multiple submissions: submitting, without prior permission, any work submitted to fulfill another academic requirement.
Misrepresentation of academic records	Misrepresentation of academic records: misrepresenting or tampering with or attempting to tamper with any portion of a student's transcripts or academic record, either before or after coming to the University of Pennsylvania. Example: forging a change of grade slip, tampering with computer records, falsifying academic information on one's resume, etc.
Facilitating Academic Dishonesty	Knowingly helping or attempting to help another violate any provision of the Code. Example: working together on a take-home exam, etc.
Unfair Advantage	Attempting to gain unauthorized advantage over fellow students in an academic exercise. Example: gaining or providing unauthorized access to examination materials, obstructing or interfering with another student's efforts in an academic exercise, lying about a need for an extension for an exam or paper, continuing to write even when time is up during an exam, destroying or keeping library materials for one's own use., etc.

* If a student is unsure whether his action(s) constitute a violation of the Code of Academic Integrity, then it is that student's responsibility to consult with the instructor to clarify any ambiguities.

Professional Practice I: The Project



Course Schedule

Week		Topic	Assignment
Week 01 Jan 18	Lecture	Course Intro / History of Practice	
	Reading / View for lecture	Readings: Lecture 2, 3, 4	
		<ul style="list-style-type: none"> • Segal. Professional Practice, A guide to Turning Designs Into Buildings. “Chapter 2: The Parties in the Construction Industry”. • Segal. Professional Practice, A guide to Turning Designs Into Buildings. “Chapter 3: Marketing Architectural Services (Getting the Project)”. • Kostof. The Architect. “Chapter 11: Architectural Practice in America: 1865-1965 – Ideal and Reality”. Pp 309-342. 	
	Assignment	Sign up for groups	
	Quiz	None	
Week 02 Jan 25	Lecture	Project Participants	
	Reading / View for lecture	<ul style="list-style-type: none"> • Video #1: Working with a consultant • Same Readings as Week 01 	
	Assignment	Assign #1 Given: Project Participants	
	Quiz		
Week 03 Feb 01	Lecture	Proposal Process	
	Reading / View for lecture	<ul style="list-style-type: none"> • Same Readings as Week 01 	
	Assignment	None	
	Quiz	Quiz Lecture 2+3: Project Participants	
Week 04 Feb 08	Lecture	Client Education	
	Reading / View for lecture	Readings: Lecture 5, 6	
		<ul style="list-style-type: none"> • Segal. Professional Practice, A guide to Turning Designs Into Buildings. “Chapter 4: Project Delivery Methods”. • NCARB. Emerging Professionals Companion (EPC) Section 1A - Programming, Pp. 2-9. • NCARB. Emerging Professionals Companion (EPC) Section 1B – Site Analysis, Pp. 40-44. 	
	Assignment		Assign #1 Due: Project Participants
	Quiz	Quiz Lecture 3+4: Project Proposals	

Week 05 Feb 15	Lecture	Programming + Pre-SD I	
	Reading / View for lecture	<ul style="list-style-type: none"> • Same Readings as Week 04 	
	Assignment	Assign #2 Given: Program Summary/Diagram	
	Quiz		
Week 06 Feb 22	Lecture	Programming + Pre-SD II	
	Reading / View for lecture	Readings: Lecture 7 <ul style="list-style-type: none"> • NCARB. Emerging Professionals Companion (EPC). Section 2A - Schematic Design, Pp 138-147. • NCARB. Emerging Professionals Companion (EPC). Section 2C - Construction Costs, Pp 160-175 • Video #2: Working with a client 	
	Assignment		
	Quiz	Quiz Lecture 5+6: Pre-schematic Design	
Week 07 Feb 29	Lecture	Schematic Design I	
	Reading / View for lecture	Readings: Lecture 8 <ul style="list-style-type: none"> • Segal. Professional Practice, A guide to Turning Designs Into Buildings. "Chapter 11: Project Management". • NCARB. Emerging Professionals Companion (EPC). Section 3D – General Project Management, Pp 418-433 	
	Assignment	Assign #3 Given: Project Vision + Descript	Assign #2 Due: Program Summary/Diagram
	Quiz		
Week 08 Mar 07	Lecture	Spring Break – No Class	
	Reading / View for lecture	No Readings	
	Assignment	No Assignment	
	Quiz	No Quiz	
Week 09 Mar 14	Lecture	Schematic Design II	
	Reading / View for lecture	Readings: Lecture 9,10 <ul style="list-style-type: none"> • NCARB. Emerging Professionals Companion (EPC). EPC Section 2B Engineering Systems, Pages 138-147 • NCARB. Emerging Professionals Companion (EPC). EPC Section 2F Construction Documents, Pages 254-271 	
	Assignment	Assign #4 Given: Studio Vision	
	Quiz	Quiz Lecture 7+8: Schematic Design	
Week 10 Mar 21	Lecture	Design Development / Const Doc I	
	Reading / View for lecture	Readings: Lecture 11 <ul style="list-style-type: none"> • NCARB. Emerging Professionals Companion (EPC). EPC Section 3A Bidding and Contract Negotiations, Pages 324-37 	
	Assignment	Assign #5 Given: Cover Letter	Assign #3 Due: Project Vision + Descript
	Quiz		

Week 11 Mar 28	Lecture	Design Development / Const Doc II
	Reading / View for lecture	Same Readings as Week 10 Video #3: Drawings and Specs
	Assignment	Assign #4 Due: Studio Vision
Week 12 Apr 04	Lecture	Cost Estimating / Life Cycle Cost
	Reading / View for lecture	Readings: Lecture 12,13 <ul style="list-style-type: none"> • NCARB. Emerging Professionals Companion (EPC). EPC Section 3B Construction Administration, Pages 356-69 • NCARB. Emerging Professionals Companion (EPC). EPC Section 3C Construction Observation, Pages 385-97
	Assignment	Assign #6 Given: Project budget Assign #5 Due: Cover Letter
	Quiz	Quiz Lecture 9+10: Design Development/Construction Documentation
Week 13 Apr 11	Lecture	Construction: Administration
	Reading / View for lecture	Same Readings as Week 12
	Assignment	Assign #7 Given Project Schedule
Week 14 Apr 18	Lecture	Construction: Observation
	Reading / View for lecture	Same Readings as Week 12 Video #4: Budgeting and Cost
	Assignment	Assign #6 Due: Project budget
Week 15 Apr 25	Lecture	Flex lecture
	Reading / View for lecture	No Readings
	Assignment	Final Assignment: Due Date TBD Assign #7 Due Project Schedule
	Quiz	