

Spring 2024

Arch 475-002: Professional Architectural Practice II

Mark Bess

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ARCH 475: PROFESSIONAL ARCHITECTURAL PRACTICE II

Instructor: Mark Bess, AIA, University Lecturer (mbess@njit.edu)

WebEx: <https://njit.webex.com/meet/mbessnjit.edu>

Course Description: This course is a forum for examination of the structure and practices of the profession of architecture. The relationship between architecture, the arts, society and the role of architecture as a business are explored. The formal and informal relationships between architects and its key stakeholders; clients, government officials, and consultants are studied. The basic principles of office management and business practices for the small and large architectural firm are introduced. Issues related to the architect's legal responsibilities, the protection of the public welfare as well as professional ethics and liability are discussed.



Meeting(s): Tuesday & Friday 10:00 AM – 11:20 AM

Delivery Format / Location: Face-to Face / Tiernan Lecture Hall 1

Catalogue Description: <https://catalog.njit.edu/undergraduate/architecture-design/#coursestext>

Available Hours: Monday 10:00 AM - 12 Noon and by appointment. Location TBD

Course Outline: Architecture spans the worlds of business, art, science and engineering while residing within complex social, economic and environmental contexts. Because of the distinctive station architecture maintains relative to other professions, students must be equipped with an understanding of the unique multifaceted field of architectural practice. The objectives of the course are to expose students to the breadth of the architectural profession while preparing students to recognize the responsibilities of leadership and ethical decision-making which design professionals are required to uphold. Specific topics covered in this course include, but are not limited to:

- An Overview of the Profession: Who Is an architect and where do they come from?
- Clients and Firms: Who are clients and owners and what type of firm are out there serving this population?
- Project Delivery: How are architectural projects conceived and put into place?
- Agreement and Conditions: What are the roles and responsibilities of those involved in design and construction projects?
- Regulations: A review of critical codes and ordinances impacting practice that address life safety and welfare of the public.
- Licensing: How do architects gain the right to practice?
- Liability and Risk: What are the risks associated with designing buildings and what standards must architects meet in the execution of their work?
- Contract Administration and Project Management: A discussion of what do architects do during a construction project along with an investigation into the qualities of leadership that architects demonstrate in practice.
- Issues In the Profession, Ethics, and the Future: Because architects engage with individuals, communities and the general public at large, they come face-to-face with all manners of social, political and economic matters. How do architects respond and how should they?

Delivery: The course is offered as a lecture-based class delivered face-to-face. Using NJIT mandated Canvas platform, course information, readings, assignments, lecture notes, and presentations will be posted regularly. Canvas discussion forums may be used to facilitate class conversations and dialogue.

NAAB PROGRAM CRITERIA: The National Architectural Accrediting Board accredits NJIT's architecture program. The NAAB has specific Program and Student Criteria that must be covered by any architectural curriculum to attain their approval. Arch 475 satisfies the following criteria

PC.1 Career Paths - How the program ensures that students understand the paths to becoming licensed as an architect in the United States and the range of available career opportunities that utilize the discipline's skills and knowledge.

PC.6 Leadership & Collaboration - How the program ensures that students understand approaches to leadership in multidisciplinary teams, diverse stakeholder constituents, and dynamic physical and social contexts, and learn how to apply effective collaboration skills to solve complex problems.

PC.7 Learning & Teaching Culture - How the program fosters and ensures a positive and respectful environment that encourages optimism, respect, sharing, engagement, and innovation among its faculty, students, administration, and staff.

PC.8 Social Equity & Inclusion - How the program furthers and deepens students' understanding of diverse cultural and social contexts and helps them translate that understanding into built environments that equitably support and include people of different backgrounds, resources, and abilities.

SC.2 Professional Practice - How the program ensures that students understand professional ethics, the regulatory requirements, the fundamental business processes relevant to architecture practice in the United States, and the forces influencing change in these subjects.

SC.3 Regulatory Context - How the program ensures that students understand the fundamental principles of life safety, land use, and current laws and regulations that apply to buildings and sites in the United States, and the evaluative process architects use to comply with those laws and regulations as part of a project.

READINGS:

Professional Practice - A Guide to Turning Designs into Buildings by Paul Segal, FAIA. Published by W W Norton & Company. This book appears as "PP", additional required readings on CANVAS appear as "CAN".



COURSE STRUCTURE:

Students are **required** to review and study course material prior to the scheduled meeting times **and** **participate** in class discussion sessions lead by the instructor and classmates.

Quizzes, Exams and Assignments: Quizzes and exams are administered using the Canvas Responder LockDown Browser tool. Students are to download the browser and take the sample test in advance of the first test date to make sure everything works properly. Assignments are to be completed individually or by groups when specified. Group assignments shall be uploaded to Canvas by only one group member.

MEANS OF EVALUATION:

The semester is based on a point system. The semester consist of 100 points as follows:

- 30 points Quizzes (three at 10 points each)
- 20 points Mid Term Exam
- 20 points Final Exam
- 30 points Assignments (three at 10 points each)

Attendance: It is important that students attend all classes. Missing more than three classes (unexcused) results in point reductions.

Undergraduate Student Grading Scale (points)

A	90-100	Superior	C+	76-79	Good	F	Below 60	Inadequate
B+	86-89	Excellent	C	70-75	Acceptable			
B	80-85	Very Good	D	60-69	Minimum			

NJIT Grading Policy (<https://www.njit.edu/registrar/policies/grading.php>)

Warning Notices: The university has a policy of issuance of midterm warnings for students whose performance is below acceptable levels and are in danger of failing the course if corrections are not made. Students issued a warning are recommended to meet with the instructor to discuss performance and corrective actions.

ARCHIVING STUDENTS WORK:

All students must submit all their work for review and archiving to their instructor. Students also must upload all final requirements for the entire semester on Kepler.

ACADEMIC INTEGRITY:

Academic integrity and honesty are of paramount importance. Cheating and plagiarism will not be tolerated. The NJIT Honor Code will be upheld, and any violations will be brought to the immediate attention of the Dean of Students. All students are responsible for upholding the integrity of NJIT by reporting any violation of academic integrity to the Office of the Dean of Students. The identity of the student filing the report will remain anonymous. All students are expected to adhere to the University Code on Academic Integrity and to the Code of Student Conduct.

- [Dean of Students](#)
- [Academic Integrity Code](#)
- [Student Conduct Policy](#)

PLAGIARISM:

It is extremely important that students familiarize themselves with a proper way to cite visual and intellectual sources. Plagiarism, whether deliberate or inadvertent, simply cannot be tolerated. Simply put, plagiarism is the use of visual or intellectual material created by others without proper attribution. Even the use of one's own material for more than one assignment can also be considered plagiarism. Students should not do so without the expressed consent of all instructors involved.

Librarian Maya Gervits has assembled resources on copyright, citing, and avoiding plagiarism:

- <http://researchguides.njit.edu/c.php?g=671665&p=4727920>

STUDENTS WITH DISABILITIES:

It is the school's moral, ethical, and legal obligation to provide appropriate accommodation for all students with physical and/or learning disabilities. If students need accommodation related to disabilities, all official documentation must be filed with the Dean of Students and the Disability Support Service Office. It is the responsibility of the student to notify the instructor at the beginning of the semester if accommodation is warranted.

- [Dean of Students](#)
- [Disability Support Service](#)

SCHEDULE:

M. Bess WebEx Room: <https://njit.webex.com/meet/mbessnjit.edu>

WK# /DATE		TOPICS and PRE-SESSION READINGS
1	Jan 16	(T) Overview - Introduction to Professional Practice
	Jan 19	(F) FILM: I.M. Pei
2	Jan 23	(T) About the Profession & Brief History of Arch. Practice FILM: Benjamin Latrobe America's First Architect (Part 1); CAN: <i>Guttman</i> CAN: <i>"The First Professional"</i>
	Jan 26	(F) FILM: Benjamin Latrobe America's First Architect (Part 2);
3	Jan 30	(T) Quiz #1 (Weeks 1-2)
	Feb 02	(F) The Client and Selection Approaches; CAN / PP Ch. 4: <i>"Selection Approaches"</i>
4	Feb 06	(T) The Architectural Firm: Part 1; CAN / PP Ch. 4: <i>"Project Delivery"</i>
	Feb 09	(F) The Architectural Firm: Part 2
5	Feb 13	(T) Architectural Project Delivery; Part 1; PP Ch. 5-8: <i>"Agreements"</i>
	Feb 16	(F) Architectural Project Delivery; Part 2 Owner Architect Agreement AIA B 141; Part 1;
6	Feb 20	(T) Owner Architect Agreement AIA B 141; Part 2; Quiz #2 Review ACSA Propel Video: Fees Unit Lessons 1 & 2; Issue Scope of Work Assignment
	Feb 23	(F) Quiz #2 (Weeks 3-5) - ACSA Propel Video: Firm Finance Unit Lessons 1 & 2
7	Feb. 27	(T) Conditions for Construction AIA A 201 - Part 1 Review Scope of Work Assignment
	Mar 01	(F) Conditions for Construction AIA A 201 - Part 2
8	Mar 05	(T) Regulations 1: Community Controls - Plan. & Zoning PP Ch. 12: <i>"Zoning & Building Codes"</i>
	Mar 08	(F) Regulations 2: Building Codes - History & Function Review Midterm Issue Zoning Assignment
	Mar 11-15	No Classes – Spring Break

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WK# /DATE		TOPICS and PRE-SESSION READINGS
9	Mar 19	(T) Midterm Exam (Weeks 1-7 Only) ; Web Site: www.ncarb.org
	Mar 22	(F) Licensing, Component Organizations; NCARB & AXP
10	Mar 26	(T) Regulations Pt. 3: Building Codes - Code Analysis
	Mar 29	(F) No Class – Good Friday
11	Apr 02	(T) Regulations Pt. 4: Building Codes - Focus on Egress Zoning Assignment Review; Issue Code Assignment
	Apr 05	(F) Liability and Risk; PP Ch. 10: "Insurance, Legal, Accounting"
12	Apr 09	(T) Ethics; CAN: " <i>Boston Society of Architecture</i> "
	Apr 12	(F) Quiz #3 (Weeks 8-11 Only); Review Code Assignment
13	Apr 16	(T) Contract Documents: Specifications
	Apr 19	(F) Open for Discussion!!!
14	Apr 23	(T) Variables: Alternates, Unit Prices, and Allowances
	Apr 26	(F) Construction Contract Administration (CA)
15	Apr 30	(T) Project Management (PM); PP Ch. 11: "Project Management"

Note: Course schedule is subject to change at instructor's discretion