

ARCHITECTURAL PROFESSIONAL PRACTICE 1

EVDA 661/EVDS683.88 H(3-0)

Fall 2011

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Thursdays 16:00-18:50 PF 2160

Introduction

The nature of the building industry, stakeholders and many of the participants and their responsibilities bring together the theoretical framework of the architect's role in society with the practicality of managing a practice. This course discusses the nature of Professional Practice for Architects. It examines the roles of participants in the Building Industry – their responsibilities and the dynamic relationship among stakeholders. The course will examine both the theoretical framework of the Architect's role in society and how this is realized in the practical world of managing a practice. Topics will include the structure of the profession, regulation and self-governance, ethics, project management, office administration, industry trends, liability exposure, project control cost analysis and estimating techniques, cost control during design and construction, modes of project delivery and the building regulations.

The nature and detail of architectural practice is changing and evolving. There has been an increasing marginalization of the role the architect has traditionally played in the development of a building, yet the key ingredients of our training and education remain relevant and necessary. The practice of architecture remains a positive influence on our society and on the built environment and architects are required to provide leadership in practice and the built environment.

Objectives

- To understand the various instruments used during design, approval, documentation and construction phases of a project.
- To understand the legal and legislative underpinnings of the profession.
- To understand and appreciate the ethical, legal and technical standards of practice.
- To understand the principals and procedures for the management of projects and the ability to apply cost control techniques.
- To develop an awareness of the issues and challenges facing contemporary professional practice
- To explore the meaning and application of ethical conduct in professional and business affairs and its relationship to personal integrity and reputation.
- To understand the application of the Building Code and its impact on design
- To develop an awareness of the many roles and contexts in which architects operate.
- To develop an appreciation for the key role of collaborative thinking and teamwork in the profession

Teaching Approach

The purpose of this class is to introduce the students to practitioners in the allied professions of Landscape Architecture and Interior Design. There will be stimulating discussions and presentations of several collaborative case studies and a challenge to conventional notions of

design professional distinctions. The case studies will illustrate the leading roles that are often taken by the allied design professions, as well as their collaboration with architects in the integrated design process.

This is a team-taught course involving a several adjunct professors who are also practicing architects and members of the allied professions. The adjunct professors are part of the Innovative Practice Group in Architecture (IPGA) from Edmonton and Calgary. Assignments will demonstrate the student's understanding of the building process, its tools and the philosophical underpinning of design methodology and practice. Class presentations will be evaluated on innovation, understanding of the roles of allied professionals,

This course is scheduled for Thursday afternoons from 15:00-18:00.

Content: Topic Areas

1. Introduction to Professional Practice
2. The structure of the profession: legal and regulatory framework
3. The construction process: acts, by-laws and building codes
4. Client and services
5. Remuneration, scope and liability
6. The construction contract: tracking the process, cost control
7. Practice Management and Business of Architecture
8. The changing nature of the profession: alternative modes of practice
9. Architectural Practice from a Client's Point of View
10. The Role of the Allied Professions
11. Nature of practice and future opportunities

Method of Evaluation

Acts and by-laws	25%
Cost control and estimating	25%
Building codes	25%
Profession and the future	<u>25%</u>
Total 100%	

Note: A passing grade in all assignments is required in order to pass the course as a whole.

Policy for Late Assignments

Assignments submitted after the deadline may be penalized with the loss of a grade (e.g.: A- to B+) for each day late.

Grading Scale

Letter Grade	4-Point Scale	4-Point Range	Percent	Description
A+	4.00	4.00	92.5-100	Outstanding - evaluated by instructor
A	4.00	3.85-4.00	85-92.49	Excellent - superior performance showing comprehensive understanding of

				the subject matter
A-	3.70	3.50-3.84	80-84.99	Very good performance
B+	3.30	3.15-3.49	76-79.99	Good performance
B	3.00	2.85-3.14	73-75.99	Satisfactory performance
B-	2.70	2.50-2.84	70-72.99	Minimum pass for students in the Faculty of Graduate Studies
C+	2.30	2.15-2.49	66-69.99	All final grades below B- are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements.
C	2.00	1.85-2.14	63-65.99	
C-	1.70	1.50-1.84	60-62.99	
D+	1.30	1.15-1.49	56-59.99	
D	1.00	0.50-1.14	50-55.99	
F	0.00	0-0.49	0-49.99	

Note: A student who receives a B- or lower in two or more courses will be required to withdraw regardless of their grade point average unless the program recommends otherwise. Individual programs may require a higher minimum passing grade. A grade point value of 3.0 on the 4-Point Scale is the minimum acceptable average that a graduate student must maintain throughout the program as computed at the end of each registration anniversary year of the program. A student who receives a grade of F will normally be required to withdraw unless the program recommends otherwise.

Readings

- Lewis, R. *Architects? A Candid Guide to the Profession*. The MIT Press, Cambridge, Mass.
- Andy Pressman AIA, *Professional Practice 101 A Compendium of Business and Management Strategies in Architecture*, John Wiley and Sons Inc.
- Fisk, E., *Construction Project Administration*. Prentice-Hall Canada Inc.
- *Canadian Handbook of Practice for Architects*, Royal Architectural Institute of Canada, Ottawa
- *RS Means Building Construction Data*, RS Means Company Inc. Kingston, MA
- *The Architects' Handbook of Professional Practice*, American Institute of Architects, Washington DC
- American Institute of Architects, *Handbook on Project Delivery*, Washington DC
- Darryl Douglas *The Architect's Act, Regulations, & Bylaws*, The Alberta Association of Architects, Edmonton 2003
- Ralph L. Klein, *The Secret of Successful Project Management*, Wiley & Sons, Inc.

Internet Resources:

http://www.goodreads.com/book/show/166443.Petra_Blaisse_Inside_Outside
<http://www.insideoutside.nl/>

http://www.metropolismag.com/html/content_0401/milgrom/
<http://www.metropolismag.com/cda/story.php?artid=2893>
<http://www.youtube.com/watch?v=wGaCLWaZLI4&feature=related>
<http://www.amazon.com/Leadership-Jazz-Max>

Special Budgetary Requirements

Nil

Notes:

1. Written work, term assignments and other course related work may only be submitted by e-mail if prior permission to do so has been obtained from the course instructor.
2. It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 220-8237. (<http://www.ucalgary.ca/drc/node/46>) Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.
3. Plagiarism - Plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Most commonly plagiarism exists when:(a) the work submitted or presented was done, in whole or in part, by an individual other than the one submitting or presenting the work (this includes having another impersonate the student or otherwise substituting the work of another for one's own in an examination or test),(b) parts of the work are taken from another source without reference to the original author,(c) the whole work (e.g., an essay) is copied from another source, and/or,(d) a student submits or presents work in one course which has also been submitted in another course(although it may be completely original with that student) without the knowledge of or prior agreement of the instructor involved. While it is recognized that scholarly work often involves reference to the ideas, data and conclusions of other scholars, intellectual honesty requires that such references be explicitly and clearly noted. Plagiarism is an extremely serious academic offence. It is recognized that clause (d) does not prevent a graduate student incorporating work previously done by him or her in a thesis. Any suspicion of plagiarism will be reported to the Dean, and dealt with as per the regulations in the University of Calgary Graduate Calendar.
4. Information regarding the Freedom of Information and Protection of Privacy Act (<http://www.ucalgary.ca/secretariat/privacy>) and how this impacts the receipt and delivery of course material
5. Emergency Evacuation/Assembly Points (<http://www.ucalgary.ca/emergencyplan/assemblypoints>)
6. Safewalk information (<http://www.ucalgary.ca/security/safewalk>)
7. Contact Info for: Student Union (<http://www.su.ucalgary.ca/page/affordability-accessibility/su-structure/contact-info>); Graduate Student representative(<http://www.ucalgary.ca/gsa/>) and Student Ombudsman's Office (<http://www.su.ucalgary.ca/page/quality-education/academic-services/student-rights>).

"The following CACB Student Performance Criteria will be covered in this course at a primary level (other criteria will be covered at a secondary level): A5: Collaborative skills; B5: Accessibility; B12: Building Economics, etc.; D1: Leadership and Advocacy; D2: Ethics and Professional Judgment; D3: Legal Responsibilities; D4: Project Delivery; D5: Practice Organisation; and D6: Professional Internship."

CLASS 1: 15 September 2011

INTRODUCTION TO PROFESSIONAL PRACTICE

Tang Lee, Architect, AAA + Katherine Wagner, Architect, AAA

Assignment 1: Alberta Architects Act and General Regulation

CLASS 2: 22 September 2011

STRUCTURE OF THE PROFESSION

Len Rodrigues, Architect, AAA

- Legal and Regulatory Framework
- Qualification Process

CLASS 3: 29 September 2011

BUILDING PROCESS + REGULATION

Kim Karn + Katherine Wagner, Architect, AAA

- Development Permit Process
- Building Permit Process

Assignment 1 DUE: Alberta Architects Act and General Regulation

Assignment 2 Building code analysis and solutions

CLASS 4: 6 October 2011

STRUCTURE OF THE PROFESSION PART I

Martin Sparrow, Architect, AAA + Mike Feeney

- Remuneration, Scope and Liability

NO CLASS: 14 October 2011 Block Week

CLASS 5: 20 October 2011

ACCESSIBILITY

CONSTRUCTION CONTRACT + COST CONTROL

Ulrik Seward, Architect, AAA

- Accessibility and the Built Environment
- The Construction Contract – Tracking
- Cost control

Assignment 2 DUE: Building code analysis and solutions

Assignment 3: Cost estimating

CLASS 6: 27 October 2011

PRACTICE MANAGEMENT + BUSINESS OF ARCHITECTURE

Tom Sutherland, Architect, AAA

- Practice organization and management
- Marketing architectural services

CLASS 7: 3 November 2011

CLIENTS + SERVICES

Jane Pendergast, Architect, AAA

- Clients
- Scope of Services

STRUCTURE OF THE PROFESSION PART II

David Down, Architect, AAA

The Changing Nature of the Profession and Alternative Modes of Practice

NO CLASS: 10 November 2011 Reading Days

CLASS 8: 17 November 2011

CONSTRUCTION METHODOLOGIES + PROJECT ACQUISITION

Paul Polson, Architect, AAA + Katherine Wagner, Architect, AAA

- The Construction Contract
- Request for Proposal

Assignment 3 DUE: Cost estimating

Assignment 4: Response to Request for Proposal

CLASS 9: 24 November 2011

ARCHITECTURAL PRACTICE FROM CLIENT PERSPECTIVE

Scott Pickles, Architect, AAA + Russ Golightly, PEng.

- Understanding the role of client

CLASS 10: 1 December 2011

ALLIED PROFESSIONS

Doug Carlyle, AALA + Michelle Sigurdson, BID

- Working with allied professionals

CLASS 11: 8 December 2011

THE NATURE OF PRACTICE + FUTURE OPPORTUNITIES

Tang Lee, Architect, AAA + Katherine Wagner, Architect, AAA

- Team presentations of assignment 4 in Pecha Kucha format.

Assignment 4 DUE

Response to Request for Proposal