

University of Calgary / Faculty of Environmental Design

Architectural Professional Practice 1

EVDA 661 H(3-0)

Professor Tang G. Lee (Course Manager)

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PF-3194 Office Hours: By appointment

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Class time: Thursdays 16:00-18:50 Rm. PF-2160

Winter 2018

Introduction

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 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.

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 architecture and the allied professions of Engineering, 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 participants who are also practicing architects and members of the allied professions. 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, ethics and practice.

Content: Topic Areas & Detailed Class Schedule

(See Schedule and List of Speakers)

Means of Evaluation

The course evaluation will be based on the assignments completed during the term, which includes written assignments, presentation of work and facilitating discussions. There will be no final examination.

Building code analysis and solutions	35%
Building Economics and Cost Control	30%
Response to Request for Proposal	<u>35%</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 will be penalized with the loss of a grade (e.g.: A- to B+). For late submission after one week but not more than 2 weeks late, the loss will be two grades, e.g.: A- to B. Assignments will not be accepted after 3 weeks.

Grading Scale

Grade	Grade Point Value	4-Point Range	Percent	Description
A+	4.00	4.00	95-100	Outstanding - evaluated by instructor
A	4.00	3.85-4.00	90-94.99	Excellent - superior performance showing comprehensive understanding of the subject matter
A-	3.70	3.50-3.84	85-89.99	Very good performance
B+	3.30	3.15-3.49	80-84.99	Good performance
B	3.00	2.85-3.14	75-79.99	Satisfactory performance
B-	2.70	2.50-2.84	70-74.99	Minimum pass for students in the Faculty of Graduate Studies
C+	2.30	2.15-2.49	65-69.99	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	60-64.99	
C-	1.70	1.50-1.84	55-59.99	
D+	1.30	1.15-1.49	50-54.99	
D	1.00	0.50-1.14	45-49.99	

F	0.00	0-0.49	0-44.99	
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Notes:

- A student who receives a "C+" or lower in any one course will be required to withdraw regardless of their grade point average (GPA) unless the program recommends otherwise. If the program permits the student to retake a failed course, the second grade will replace the initial grade in the calculation of the GPA, and both grades will appear on the transcript.

Readings

- Lowell V. Getz, *An Architect's Guide to Financial Management*, The American Institute of Architects Press, Washington, D.C., 1997.
- 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, 2nd Edition, Ottawa 2009
- *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.youtube.com/watch?v=wGaCLWaZLI4&feature=related>

Special Budgetary Requirements

Nil

CACB Student Performance Criteria:

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):

Primary:

- A5. Collaborative Skills,
- B12. Building Economics,
- D1. Leadership and Advocacy,
- D2. Ethics and Pro. Judgement,
- D3. Legal Responsibilities,
- D4. Project Delivery,
- D5. Practice Organization,
- D6. Professional Internship

Secondary:

- B6. Life Safety Systems

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. Submissions must come from an official University of Calgary (ucalgary) email account.
2. Academic Accommodations. Students who require an accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to their Instructor or the designated contact person in EVDS, Jennifer Taillefer (jtaillef@ucalgary.ca). Students who require an accommodation unrelated to their coursework or the requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to the Vice-Provost (Student Experience). For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/
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 (<https://www.su.ucalgary.ca/contact/>); Graduate Student representative(<http://www.ucalgary.ca/gsa/>) and Student Ombudsman's Office (<http://www.ucalgary.ca/ombuds/>).