

SENIOR RESEARCH STUDIO IN ARCHITECTURE COURSE OUTLINE

EVDA 782.02 B01 F(0-8)
Winter 2017

INSTRUCTOR:

Barry Wylant
bwylant@ucalgary.ca (meetings by appointment)

CLASS SCHEDULE

MTWF 14:00 to 17:50

CALENDAR DESCRIPTION

A research design studio in which students collaborate with design faculty in exploring projects that engage contemporary issues defining the built and natural environments.

INTRODUCTION: DESIGN/WORK/FOCUS

This design/build studio offers students the opportunity to explore the nature of office work as a determinant of space. Today's office work environments are significantly influenced by emerging technologies and technological trends, notions of optimal performance, and concerns for health (e.g. lighting, limiting sitting times and adjustable work surface heights) and a work/life balance. Work environments are further influenced by ongoing evolution in the cultural norms associated with work, and critical theories associated with technology and daily life. The studio thus poses the question: given these intriguing intersecting forces, what might an optimal work environment be like within 5-10 years?

COURSE OBJECTIVES

The course blends architectural and industrial design approaches to design research. Given both the design/build nature of the studio and the theoretical impetus of the investigation, objectives for the course are intended as follows:

- to develop a theoretical framework around the idea of work, and office work;
- to develop a theoretical perspective on notions of space intended for such work;
- to gain an understanding of the human relationship to technology;
- to gain exposure to aspects of ergonomics and human factors;
- to enhance and build expertise in various methods for design as a mode of inquiry and research.

TEACHING APPROACH

The course is a design build/studio course. As such studio work will consist of a series of sequential projects that be reviewed within the studio and serve as a basis for class discussion. Additionally, these will be augmented by occasional lectures and guest lectures to broaden exposure to the course objectives. As required by specific projects, students may be working individually or in a group setting.

COURSE CONTENT (note: subject to change, depending upon availability of guest lecturers)

week 1	P1, Develop theoretical framework
weeks 2, 3	P2, Problem space work
weeks 4-6	P3, Interim 1

week 7 (Feb 19 -26)	BLOCK WEEK
week 8-10	P5, Interim 2
week 11- 14	P5, Final Design
week 15	Final design project presentation: TBD

MEANS OF EVALUATION

The means of evaluating student performance in the course is based exclusively upon the completion of project work, as broken down below. There will be no final examination for the course. If a student receives a grade less than B- for any assignment worth 30% or more, the student will receive an F grade for the course.

P1: Theoretical Framework:	10%
P2: Problem Space:	20%
P3: Interim Presentation 1:	20%
P4: Interim Presentation 2:	20%
P5: Final Design:	30%

SUGGESTED READINGS

A number of references address both design and the development of technology in our world:

Boradkar, Prasad. Designing Things: A Critical Introduction to the Culture of Objects, 2010. Berg Press, ISBN: 978-1-84520-427-3.

Cuffaro, Daniel F., et. al. The Industrial Design Reference & Specification Book, 2013. Rockport Publishers, ISBN: 978-1-59253-847-8.

Dunne, Anthony. Hertzian Tales: Electronic Products, Aesthetic Experience, and Critical Design, 2005. The MIT Press, ISBN:0-262-04232-0.

Greenfield, Adam. Everywhere: The Dawning Age of Ubiquitous Computing, 2006. New Riders, ISBN 978-0321384010

Hannington, Bruce and Martin, Bella. Universal Methods of Design: 100 Ways to Research Complex Problems, Develop Innovative Ideas, and Design Effective Solutions, 2012. Rockport Publishers, ISBN: 978-1592537563.

Hillier, Ben. Space is the Machine, 2007. Space Syntax, ISBN 978-0-9556224-0-3

Ihde, Don. Philosophy of Technology: An Introduction, 1998. Paragon Issues in Philosophy, ISBN: 978-1557782731.

Thackara, John. In the Bubble: Designing in a Complex World, 2005. MIT Press, ISBN: 0-262-20157-7.

Special Budgetary Requirements:

The University has approved a mandatory supplemental fee for this course for the amount of \$100, this will be assessed with the students' tuition. This is to cover costs associated with the workshop.

GRADING SCALE

Final grades will be reported as letter grades, with the final grade calculated according to the 4-point range.

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	90-94.49	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	80-85.99	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	

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): A1: Critical Thinking Skills; A2: Research Skills; A4: Verbal and Written Skills; A6: Human Behaviour; A8: History and Theory; B1: Design Skills; C1: Detailed Design Development.

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/>).