

INSTRUCTOR

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INTRODUCTION

In this course, foundational ideas are introduced in design and form making, through a sequence of progressive skill building steps, intended to develop visual and spatial thinking, and problem solving skills.

COURSE OBJECTIVES

- To gain an understanding of design thinking and its application in environmental design.
- To develop an understanding of basic three dimensional design principles and their application in space and form.
- To develop an ability to use design as an approach to generate, develop and implement research ideas.
- To gain an understanding of design methodologies.
- To introduce and develop 2D and 3D design skills as tools of design thinking.

TEACHING APPROACH

The course is studio based and as such, students will complete a series of projects which will be reviewed within the studio and serve as a basis for class discussion. Additionally, there will be a limited number of lectures provided as means to introduce relevant theory to the projects. As required by the specific projects, students may be working individually or within small groups.

COURSE CONTENT

- Aspects of design thinking (e.g. the wicked problem, figure/ground relationship, ambiguity in the design problem, establishing design intent and understanding consequence as a result of 'doing').
- Aspects of design methodologies (e.g. the design brief, iterative design, programming, mapping, brainstorming, etc.).
- Introduction to 2D and 3D spatial design principles.
- Introduction to 2D and 3D visual presentation and drawing/modeling techniques.

CLASS SCHEDULE

Tuesdays/Fridays 2-6pm in PF2140

Weeks 1-3 Basic Design Exercises Part 1
 Weeks 4-9 Basic Design Exercises Part 2
 Week 6 (Oct 08 to 12 Block Week - no classes)
 Weeks 7-9 Graphic Design Exercises (interspersed within studio work)
 Weeks 10-13 Major Design Exercise
 Week 10(Nov 11-12 Reading Days - no class)

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.

Basic Design Exercises Part 1:	25%
Basic Design Exercises Part 2:	22%
Major Design exercise	43%
Graphic Design Exercises:	10%

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
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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	

SPECIAL BUDGETARY REQUIREMENTS

As a studio course, students will incur costs for presentation materials (this can include paper, modeling materials such as wood, card board, metal fasteners, etc.) and to procure some basic design tools (see list below) necessary to complete the project work.

List of Studio Design Tools:

- matt knife (Xacto or Olfa using heavy duty blades)
- 18" metal ruler with cork backing
- metric scale (optional)
- 2H, HB, 2B and 6B drawing pencils
- mechanical drafting pencils (optional)
- white plastic drawing eraser
- 30/60/90 set square (optional)
- adjustable set square (optional)
- T-square (optional)
- cutting board (18 x 24, optional)
- box of push pins (either t-pins or clear tacks)
- workshop safety goggles
- small bottle of rubber cement (or glue stick)

A course supplemental fee of 92.00 is included in the tuition for the course.

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. 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/contact>); 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>).