

SCHEDULE

Tuesdays 2-6pm in PF2151
Fridays 2-6pm in PF2140

INSTRUCTORS

Denis Gadbois and Barry Wylant

INTRODUCTION

This studio course provides an introduction to design thinking, and further, to design as a research activity and mode of inquiry. The course introduces foundational concepts in design and form making involving a sequence of progressive skill building, visual and spatial thinking, and problem solving exercises.

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 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.

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:	20%
Basic Design Exercises Part 2:	15%
Design preparation/research exercises	20%
Major Design exercise	35%
Thesis Poster exercise	10%

READINGS

N/A

BUDGETARY REQUIREMENTS

As a studio course, students will incur costs for presentation materials and to procure some basic design tools (see list below) necessary to complete the project work.

Students will also incur the mandatory EVDS Workshop Supplemental Fee, which is added to their tuition.

List of Studio Design Tools:

- matt knife
- 18" metal ruler with cork backing
- metric scale
- drawing pencils
- mechanical drafting pencils
- eraser
- 30/60/90 set square
- adjustable set square (optional)
- T-square (optional)
- cutting board (optional)

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>).

Distribution of Grades

Grade Grade Point Value Graduate Description

A+ 4.0 Outstanding

A 4.0 Excellent – superior performance showing comprehensive understanding of the subject matter

A- 3.7 Very good performance

B+ 3.3 Good performance

B 3.0 Satisfactory performance

Note: The grade point value (3.0) associated with this grade 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.

B- 2.7 Minimum pass for students in the Faculty of Graduate Studies 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.

C+ 2.3

All grades below B- are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements. A student who receives a grade of F will normally be required to withdraw unless the program recommends otherwise.

C 2.0

C- 1.7

D+ 1.3

D 1.0

F 0.0