

COURSE OUTLINE IDES 4301B • MINOR PROJECTS • Fall (2022)

Instructor: Steven Pong

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Location: **2492 Mackenzie Building**

Office Hours: Mondays 1:00-2:30PM, and by appointment.

Teaching Assistant: Therese Abouassaf

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Office Hours: TBD

Course Time and Location: Please refer to Carleton Central under Student Services – Registration or Search Schedule: https://central.carleton.ca/prod/bwysched.p_select_term?wsea_code=EXT

Course Description

Advanced skills-based course that enhances student experience in novel, experimental processes and techniques in design. Workshop-style activities and short projects focus on increasing skill competence and versatility in a variety of fields. Emphasis on time management and the ability to work independently. Includes: Experiential Learning Activity.

Prerequisite(s): IDES 3302 or permission of the School of Industrial Design.

Studio and lectures six hours a week.

Learning Outcomes

By the end of this course, students will be able to:

1. Draw from theory covered in previous courses to complement advanced training.
2. Develop specialized skills in selected design themes.

3. Experience problem solving using new methods in design, inspiration, and imagination through the exploration of novel approaches and techniques.
4. Complete work efficiently in a time-limited workshop approach to skill acquisition and implementation.
5. Generate concepts and prototypes quickly, paying attention to and rationalizing formal detailing.
6. Explore a variety of prototyping and manufacturing materials and processes.
7. Document their process work to enhance their portfolio and demonstrate their skills in specialized areas of design.

Course Deliverables

These are the deliverables for this course. Please see 'Appendix A Course Schedule' for more detailed information.

Grading: The final grade for the course will be based on:

1. Minor Project 01	5%
2. Major Project 01	20%
3. Major Project 02	30%
4. Major Project 03	40%
5. Participation and Professionalism	5%

Student Access to Quiz, Test and Exam Papers

Examinations are for evaluation purposes only and will not be returned to the student.

Required Materials

Materials required for the course are listed below.

- Manual sketching and drawing materials used in previous courses.
- Laptop with SolidWorks and Adobe Creative Cloud software.
- Additional materials will be required on a project-by-project basis. These will be announced in class and on Brightspace.

Computer Requirements

Please refer to the computer requirements on the School of Industrial Design Website. You may be asked by your instructor to refer to Brightspace for other information or requirements related to computer work.

<http://www.id.carleton.ca/undergraduate/about-the-bid-program/computer-requirements>

Individual/Group Work

Courses may include individual and group work. It is important in collaborative work that students clearly demonstrate their individual contribution.

Review/Presentation Attendance

Attendance at scheduled SID Reviews/Presentations is mandatory. These are equivalent to exams when indicated in the course outline. Failure to attend the Review/Presentation without reasonable cause, will result in a grade of F. Students arriving late for the Review/Presentation or not remaining for the complete session without approval from the instructor, will be addressed on a case-by-case basis at the discretion of the instructor.

If you are not able to attend a Review/Presentation, foresee arriving late or need to leave before it is complete, please email your instructor in advance explaining the reason for the situation. It is important that you provide a reasonable rationale for your absence, late arrival or early departure. In the event of an illness or death in the family, you will be required to sign a form verifying your claim and this form is available through the SID administration office.

Late Submission of Lecture & Studio Deliverables

Students who do not hand in deliverables on time will have their earned grade reduced by 10% per day up to a maximum of 3 days.

Participation and Professionalism

Active participation and professional conduct (e.g. class discussion, consultations with instructors, work ethic, etc.) are important in lecture and studio courses and may be formally evaluated by a grade.

Professionalism also includes Carleton's Policy on Academic Integrity described in more detail below with links to content which you are required to review.

Academic Integrity

Carleton's Policy on Academic Integrity is available at: <https://carleton.ca/registrar/academic-integrity/> and covers the following topics:

Plagiarism (e.g. submitting work in whole or in part by someone else, failing to acknowledge sources through the use of proper citations when using another's work).

Test and Exam Rules (e.g. attempting to read another student's exam paper, speaking to another student even if the subject matter is irrelevant to the text, using material not authorized by the examiner).

Other Violations (e.g. improper access to confidential information, disruption in classroom activities, misrepresentation of facts for any academic purpose).

This policy governs the academic behavior of students. In industrial design, ideas and concepts come from a multitude of sources and may be modified and utilized in the design and development process. The student should reference such sources appropriately and it is strongly advised that you read Carleton's Policy on Academic Integrity prior to conducting any work at the University.

Requests for Academic Accommodation

You may require special arrangements to meet your academic obligations during the term. For an accommodation request for any of the following topics below, refer to the link provided for more information: <https://students.carleton.ca/course-outline/>

- *Parental Leave*
- *Religious/Spiritual Obligation*
- *Academic Accommodations for Students with Disabilities*
- *Survivors of Sexual Violence*
- *Accommodations for Student Activities*

Student Responsibility

The student is responsible for knowing the content of this course outline; the schedule of classes, assignments, and/or Reviews; and the material that was covered when absent. The studio is a professional environment and students should be working during the scheduled hours.

Unless otherwise arranged, the class will meet during scheduled class hours. Please note that attendance is important since issues and questions may be raised in class, and announcements made, along with information disseminated through Brightspace. As external professionals are often involved in our work, scheduling changes for guest lectures, presentations, and Reviews may occur at short notice, requiring students to stay informed.

Changes to the Course Outline

The course outline may be subject to change in the event of extenuating circumstances.

Appendix A - Course Schedule

Week 1: September 09 - Come to class with sketching and drawing materials and laptop.

- Introduction, course outline, studio rules.
- Minor project 01 presented.
 - Focus on Design Process and presenting work.

Week 2: Sept 16

- Minor project 01 review.
- Major project 01 presented.
 - Focus on Concept Development.

Week 3: Sept 23

- Work week*

Week 4: Sept 30

- Major project 01 review.
- Major project 02 presented.
 - Focus on Computer Aided Design

Week 5: Oct 7

- Work week*

Week 6: Oct 14

- Work week*

Week 7: Oct 21

- Work week*

Week 8: Oct 28 - Fall Break

Week 9: Nov 4

- Major project 02 review.
- Major project 03 presented.
 - Focus on Physical Models

Week 10: Nov 11

- Work week*

Week 11: Nov 18

- Work week*

Week 12: Nov 25

- Work week*

Week 13: Dec 2

- Major project 03 review.

Fall Semester Walk Around – Date TBD

***Work weeks include progress check-ins and additional, project specific instruction.**