

IDES 4301B • MINOR PROJECTS

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Course Time and Location

Course locations are no longer displayed on the public class schedule and are subject to change. For the latest information please refer to Carleton Central under Student Services – Registration – Student Timetable.

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. For more detailed information, please see the Course Schedule, **IDES 4301B MINOR PROJECTS F25 - Steven Pong - Course Schedule**, in Brightspace.

The final grade for this course will be based on:

- | | |
|---------------------|-----|
| 1. Minor Project 01 | 25% |
| 2. Minor Project 02 | 15% |
| 3. Major Project 01 | 50% |
| 4. Professionalism | 10% |

Student Access to Exam

No exam

Cost of Educational Materials

All materials required for the course and their costs are listed below. Please note some materials costs are dependent on the project and the materials chosen so a range listing minimum and maximum values will be given.

Materials will be determined by each individual student project. You will be responsible for sourcing and purchasing the necessary supplies throughout the semester. These may include basic electronic components, enclosure materials, fasteners, and display or presentation supplies. The estimated total cost for student-purchased materials ranges from \$50 to \$200, depending on the scale and complexity of your project. No project may exceed this maximum without prior approval from the instructor.

Technology Requirements

Please refer to the technology requirements on the School of Industrial Design Website (<https://carleton.ca/id/student-info/it-support/technology-requirements/>). You may be asked by your instructor to refer to Brightspace for other information or requirements related to coursework.

Individual/Group Work

Courses may include individual and group work, and the majority of the grade must reflect individual work. This will support the assessment of individual performance, which may be difficult to determine in group projects. It is also important in collaborative work that students clearly demonstrate their individual contributions.

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 instructor's discretion.

If you are unable 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.

Late Submission of Assignments

Students who do not hand in assignments on time will have their earned grade reduced by **10%** per day at the instructor's discretion. If you foresee not meeting the submission due date and are requesting an extension, please provide your instructor with a minimum of 24 hours' notice.

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 that you are required to review.

Health and Safety

Students must participate in training to access all the SID Labs and Maker Space. Apart from this training, students are required to follow the health and safety standards of the School of Industrial Design as well as Carleton's health and safety standards. All materials related to SID health and safety are available here [Health and Safety](#) and it is expected that students review and understand these materials and apply these standards throughout their studies.

Use of Studio Spaces

Access to studio space to attend courses and complete assignments is an important part of student success. Students are welcome and encouraged to use available studio spaces to work during non-studio hours. Out of respect for your colleagues, instructors, and Carleton cleaning staff, ensure you leave the space in good condition. This includes cleaning your area and storing your items in your designated storage space whenever you are leaving the space. The school will not be responsible for items that are not stored properly.

Academic Integrity

Carleton's Policy on Academic Integrity is available at: <https://carleton.ca/registrar/academic-integrity/> and covers the following violations, but is not limited to:

- *Plagiarism*
 - Submitting work written 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*
 - *Attempting to read another student's exam paper*
 - *Speaking to another student (even if the subject matter is irrelevant to text)*
 - *Using material not authorized by the examiner*
- *Other Violations*
 - *Improper access to confidential information such as exams or test questions*
 - *Disruption of classroom activities or periods of instruction*
 - *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](https://carleton.ca/registrar/academic-integrity/) before conducting any work at the University.

Use of Artificial Intelligence (AI) Technologies

AI use in this course: Students are encouraged to use AI tools in this course for support in completing several process-based activities. Some acceptable uses include:

- Data analysis (e.g., AI-driven statistical analysis in SPSS or Python; using Excel's AI-powered data analysis tools like Ideas to generate insights and visualizations).
- Coding assistance (e.g., GitHub Copilot for programming assignments, using Visual Studio Code with AI-assisted extensions for programming assignments).
- Generating creative content (e.g., DALL-E for visual projects; using PowerPoint's Designer feature to create visually appealing presentations).
- Summarizing large volumes of text (e.g., using AI to condense research articles; using Word's Smart Lookup and Researcher to condense research articles).

Documenting use of AI: It is necessary to document your use of AI in this course, using the following guidelines:

- Provide a detailed description of AI usage and proper citation (e.g., 'AI-assisted data analysis performed using Excel's Ideas tool/Python with AI-driven libraries). Please consult resources on the [Library website](#).
- Ensure critical thinking and personal insight are evident in all submitted work.
- AI-generated content should not replace core analysis or primary arguments.

Why have I adopted this policy? This policy allows students to leverage AI for more complex tasks, promoting collaboration between human intelligence and AI. It ensures students learn to effectively integrate AI into their work while maintaining intellectual contributions and critical thinking. By using AI to handle routine or supplementary tasks, students can focus more on deeper learning and analysis of their assignments.

As our understanding of the uses of AI and its relationship to student work and academic integrity continue to evolve, students are required to discuss their use of AI in any circumstance not described here with the course instructor to ensure it supports the learning goals for the course. Students can access resources related to citing Generative AI on the [MacOdrum Library website](#). Plus, additional AI resources are also available on Carleton's [Artificial Intelligence Hub](#).

Requests for Academic Accommodation

Carleton is committed to providing academic accessibility for all individuals. You may require special arrangements to meet your academic obligations during the term. The accommodation request processes, including information about the *Academic Consideration Policy for Students in Medical and Other Extenuating Circumstances*, are outlined on the Academic Accommodations website (students.carleton.ca/course-outline). The website covers the below topics.

Topics:

- Pregnancy Obligations
- Religious/Spiritual Obligation
- Academic Accommodations for Students with Disabilities
- Survivors of Sexual Violence
- Accommodation for Student Activities
- Academic Considerations for Medical and Other Extenuating Circumstances
- Scheduling and Examination Support

Statement on Student Mental Health

As a university student, you may experience a range of mental health challenges that significantly impact your academic success and overall well-being. If you need help, please speak to someone. There are numerous resources available both on- and off-campus to support you, refer to this link - <https://wellness.carleton.ca/> and open the needed section.

Topics:

- *Counselling*
- *Resource Guide*
 - *Thriving on Campus*
 - *Everyday Stress*
 - *Mild Mental Health Concerns*
 - *Moderate Mental Health Concerns*
 - *Complex Mental Health Concerns*
- *Umbrella Project*

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.

Course Schedule

Please refer to Brightspace for a detailed Course Schedule: **IDES 4301B MINOR PROJECTS F25 - Steven Pong - Course Schedule**.