

IDES 4001 Industrial Design Seminar (Section B) - Fall 2020

COURSE OUTLINE

Instructor	Thomas Garvey, BID, MSc, PhD thomas.garvey@carleton.ca Location: Remote Office hours: During lecture hours or by appointment
Teaching Assistant	Amira Ashraf, BID / AmiraAshraf@cmail.carleton.ca Office hours: During lecture hours or by appointment
Time and location	Wednesday 14:35-17:25 This course will be conducted remotely using a number of applications. These will be presented in class as required and include Zoom, Slack, and Miro.

Course Description

Topics vary yearly and address key contemporary industrial design issues. There is a focus on writing, discussion, and debate. Students organize a seminar with design professionals and other community experts including student and professional presentations, interaction, and discussion.

Learning Outcomes

1. Demonstrate ability to research contemporary design issues
2. Apply critical thinking skills
3. Discuss and debate theoretical and critical design perspectives with classmates and experts
4. Apply course resources to support opinions expressed
5. Effectively communicate ideas through written work and/or oral presentations
6. Cooperate with team members in working through class exercises, assignments, and seminar logistics
7. Organize, participate in, and produce a seminar with design professionals and other experts
8. Design and produce a published record or proceedings document

Topic

A Space in Time for the Creative Mind: Inspired by Nature

(The topic will be explored from the professional viewpoint of industrial design.)

We'll explore the design process with particular focus on the idea generation phase and creative thinking. The topic has risen from years of observing how the design process has become both complex and more tightly scheduled for most of us. How are young designers able to meet the expectations of them without sufficient time for reflection, incubation, daydreaming, and getting lost in ideas?

With regard to creativity:

- Creativity works in mysterious and often paradoxical ways.
- Creative thinking can be fostered/practiced but it also has its own terms.
- Inspiration and ideas often arise seemingly out of nowhere and then fail to show up when we most need them.
- All of the above may also change based on situation and context.

Sub-topics to begin with are:

- Theories on the relationship between nature and creativity
- The influences of greater contact with, or being cut off from, the natural world
- Nature as a source of inspiration for thought and form in the creative fields
- Biomimicry and creative knowledge transfer from natural to human systems

Course Format

This course is unique in that it provides students with the opportunity of presenting the results of the course work to subject experts through in-class presentations, and to the extended School and external community in a final public event.

- The first meeting will include an introduction to the course and learning outcomes. This will be followed by a discussion of the topic/context, and the range of sub-topics students may choose from. Students will participate in the development of sub-topics and will arrive at individual areas of interest within the prescribed areas.
- Founded on individual research and interest, in the first weeks, students will form teams of 3-5, based on a set of shared features or attributes to develop a paper for presentation to the class.
- During the second half of the semester, students will present to a panel of professionals over two days, with approximately half the class on each day, to allow sufficient time for each student team.
- The course will end with a public event, where student papers will be presented as posters along with select sample oral presentations. The content of the in-class presentations and posters will be organized into a final publication, which will constitute a record of the course. It is expected that students will be actively involved in the organization of the public event and the final publication.
- Weekly meetings will include presentations suitable to support the sub-topics and development of the papers, followed by discussion intended to support students in achieving the learning outcomes.
- While general sources will be presented to the class, students will be expected to find additional sources of information relevant to their chosen sub-topics. At the same time there will be a focus on time management, in order to allow the greatest success and most rewarding experience within the time limits of the course, and with respect to the many academic and other obligations that students are balancing.

Course Deliverables and Evaluation

Paper	35%	(Abstract 5% / Interim paper 20% / Final paper 10%)
Poster	15%	(Draft layout 10% / Final layout 5%)
Audiovisual	10%	(Draft 5% / Final 5%)
Seminar presentation	10%	
Professionalism	5%	(Attendance, participation and contribution in workflow, etc.)
Peer evaluation	10%	
Final documentation	10%	(Creation of final publication materials)
Organization of seminar event	5%	(Agenda, invitations, guest lists, etc.)

Specific requirements regarding content and format (papers, posters, audiovisuals, presentations), and process activities (final documentation, organization and conducting of the event) will be discussed and announced at appropriate points in the process. These will constitute the criteria for evaluation.

Course Schedule

Attached as separate document.

Individual/Group Work

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

Seminar Attendance

Attendance at the scheduled Seminars is mandatory. Failure to attend the Seminar without reasonable cause will result in a grade of F. Students arriving late for the Seminar 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 Seminar 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 Required Material

All work submitted late will receive a 10% per day deduction from the determined grade, to a maximum of 3 days, from the original deadline time and date. Failure to submit within 3 days, without approval from the instructor, will result in a grade of F.

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

The 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 and assignments, and material covered during any absence. 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 cuLearn.

Changes to the Course Outline and Schedule

The course outline may be subject to change in the event of extenuating circumstances. In such a case, every effort will be made to advise students as early as possible.