CARLETON UNIVERSITY
SCHOOL OF INDUSTRIAL DESIGN

COURSE OUTLINE IDES 4301 • MINOR PROJECTS A • FALL (2019)

Instructor: Anthony Dewar, Bjarki Hallgrimsson, Walter Zanetti

Contact us via TA’s email

Room 4th Year Studio Azrieli Pavilion).

Tel. 613 • 560 • 2600, ext. 5672

Teaching Assistant: Samantha Schneider

SamanthaSchneider@cmail.carleton.ca

Office Hours: During studio/lecture hours or by appointment.

Time and Location: Please refer to Carleton Central under Student Services – Registration – Search Schedule: https://admissions.carleton.ca/faqs/where-can-i-find-the-class-schedule/

Course Description:

Enables students to demonstrate through a series of short projects their versatility in product design or in complementary design fields such as communication, graphic design or design experiments. Emphasis is on time management and the ability to work independently on assigned projects. 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.

Required Materials:

Materials required for the course are listed below. You may be asked by your instructor to refer to cuLearn and ARES for a more comprehensive list of required materials.

Workshop materials are provided and team project will require materials bought from stores.

Computer Requirements:

Please refer to the computer requirements on the School of Industrial Design Website:

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

We will also be using Arduino Toolkits provided in class.

Course Deliverables:

These are the deliverables for this course. Please see Appendix A Course Schedule for more detailed information.
In class Workshops:  30%

Project:  70% (This project is graded in stages and also includes a peer evaluation component

**Individual/Group Work**

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

**Studio Review Attendance**

Attendance at scheduled SID Reviews is mandatory. These are equivalent to exams when indicated in the course outline. Failure to attend the Review without reasonable cause, will result in a grade of F. Students arriving late for the Review 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, 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.

Student Access to Quiz, Test and Exam Papers
Examinations are for evaluation purposes only and will not be returned to the student.

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

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).

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.

**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 cuLearn. 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**

<table>
<thead>
<tr>
<th>Date</th>
<th>Main Topic</th>
<th>Morning</th>
<th>Afternoon</th>
</tr>
</thead>
<tbody>
<tr>
<td>09-Sep</td>
<td>Project Intro</td>
<td>Subject Matter workshop Intros</td>
<td>Group Assignments</td>
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<tr>
<td>16-Sep</td>
<td>Technical Workshops</td>
<td>Electronic 1 (Anthony Dewar)</td>
<td>Continued</td>
</tr>
<tr>
<td>23-Sep</td>
<td>Technical Workshops</td>
<td>Softgoods 1 (Walter Zanetti)</td>
<td>Continued</td>
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<tr>
<td>30-Sep</td>
<td>Technical Workshops</td>
<td>Mechanics 1 (Bjarki Hallgrimsson)</td>
<td>Continued</td>
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<tr>
<td>07-Oct</td>
<td>Concept Presentation</td>
<td></td>
<td>Explorative Concept Presentation</td>
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<tr>
<td>Date</td>
<td>Event</td>
<td>Activity</td>
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<tr>
<td>14-Oct</td>
<td>Thanksgiving</td>
<td></td>
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<tr>
<td>21-Oct</td>
<td>Break</td>
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<tr>
<td>28-Oct</td>
<td>Technical Workshops</td>
<td>Electronic 2 (Anthony Dewar)</td>
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<tr>
<td>04-Nov</td>
<td>Technical Workshops</td>
<td>Softgoods 2 (Walter Zanetti)</td>
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<tr>
<td>11-Nov</td>
<td>Technical Workshops</td>
<td>Mechanics 2 (Bjarki Hallgrimsson)</td>
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<tr>
<td>18-Nov</td>
<td>Consultations</td>
<td>Work on Project</td>
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<tr>
<td>25-Nov</td>
<td>Consultations</td>
<td>Work on Project</td>
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<tr>
<td>02-Dec</td>
<td>Demos</td>
<td>Work on Project</td>
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<tr>
<td>06-Dec</td>
<td>Performance Show</td>
<td>Show</td>
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