

**IDES 2205A • SENSORY ASPECTS OF DESIGN FOR USER EXPERIENCE**

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Office Hours: **Wednesday from 9:00 am to 11:00 am by scheduled appointment**

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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**

An exploration of multi-sensory qualities derived from and designed into products to optimize product-interaction experiences. Visual, tactile, auditory, and other related sensory aspects of design and design principles that contribute to the product multi-sensory characteristics while adding meaning and emotional value.

Includes: Experiential Learning Activity.

Precludes additional credit for IDES 2203 (no longer offered).

Prerequisite(s): IDES 1001 or permission of the School of Industrial Design.

Lectures and tutorials three hours a week.

**Learning Outcomes**

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

1. Differentiate between the sensory qualities that contribute to people's interactions with products.
2. Analyze how sensory attributes are integrated into designed products.
3. Explain a variety of sensory experiences derived from products.
4. Evaluate (qualitatively) the sensory design factors that may contribute to meanings and emotional responses derived from products.
5. Conduct multi-sensory observations of interactions between people and products in contexts of use.
6. Analyze the multi-sensory experiences with a product with respect to human-object interactions.
7. Use course resources to support opinions about how sensory features enhance experiences between people, the products they use, and the contexts of use.
8. Effectively communicate ideas through visual, written, and oral presentations.
9. Cooperate with team members in working through class exercises and assignments.
10. Adopt professional/responsible behaviour.

**Course Deliverables**

These are the deliverables for this course. For more detailed information, please see the Course Schedule, **IDES 2205A SENSORY ASPECTS OF DESIGN FOR USER EXPERIENCE F25 - Juan Jimenez Garcia - Course Schedule**, in Brightspace.

**KITCHEN TOOL:** It comprises two individual assignments

**Individual Assignment 1 – Understanding my Product -- Due to Sept 16<sup>th</sup>, 11:59 pm** 15%

**Individual Assignment 2 – Look and Feel – Due to Oct 14<sup>th</sup>, 11:59 pm** 20%

**CHILDREN TOY:** It comprises two group assignments

**Group Assignment 1 – *Toying Around!*** – Due to Nov 4<sup>th</sup>, 11:59 pm 20%

**Group Assignment 2 – *In-Motion!*** – Due to Dec 2<sup>nd</sup>, 11:59 pm 35%

**PROFESSIONALISM:** This will contribute to 10% of the overall course grade.

### **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.

**KITCHEN TOOL – Understanding my Product and Look and Feel Assignments:** Two kitchen tools:

2 different products designed to achieve the same food preparation task (but they should look & work as differently as possible):

The **tools** should have been used – and still be useful– for carrying out tasks for **preparing food in the kitchen, other than eating.**

- Each tool should have **between 2 and 5 parts**, some of which must be **moving parts** required to do part or all the tasks.
- Each tool should have **more than 1 material or more than 1 colour** – ideally both.
- Each tool should be **portable enough to carry to school regularly.**
- **The selected products should have noticeable differences:** mechanisms, sizes, number of parts, and/or affordances.
- These tools do not need to be purchased; students are encouraged to repurpose or retrieve them from home. However, if a purchase is necessary, we recommend spending no more than 20 CAD per item. Stores like Dollarama offer affordable options suitable for this purpose.

Category	Examples
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Handheld tool	Corkscrew, can opener, knife sharpener, grater, garlic press, vegetable peeler, potato masher, tongs, kitchen shears, meat thermometer, wine opener, tea steeper, etc...
Small appliance	Toaster, hand mixer, waffle maker, coffee maker, juicer, immersion blender, blender, food processor, etc...
Equipment	Trash bin, compost bin, dish rack, salad spinner, kettle, French press, portable water bottle / coffee mug, spice grinder, etc...

### **CHILDREN's TOY - Toying Around and In Motion Assignments:** A Small children's toy

- These toys do not need to be purchased new; second-hand options are perfectly acceptable. However, if purchasing is necessary, we recommend spending no more than 50 CAD per item. Stores such as Dollarama can offer affordable and suitable alternatives.
- As this is a group assignment, any expenses incurred can be shared among team members.
- All products are to be in working condition (can complete the task they have been designed to perform).

The main textbook could be reviewed and downloaded online and other bibliography resources (e.i., it will be distributed digitally).

### **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 with a maximum of three days late. After this period, late work will only be accepted with a justified reason. 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, attendance, punctuality, 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](#) before conducting any work at the University.

## Use of Artificial Intelligence (AI) Technologies

### Moderate AI Use – Content Generation with Attribution

Students may use AI tools for sharing ideas, clarifying challenging concepts, or getting started on projects. Some acceptable uses include:

- Brainstorming ideas (e.g., generating essay topics with ChatGPT, using Microsoft Word's Smart Lookup to find inspiration and related topics)
- Creating outlines (e.g., using AI to structure an essay or presentation flow, using Microsoft Word's Outline View with AI suggestions)
- Providing definitions or explanations of complex concepts (e.g., using AI to explain a difficult theory, e.g., using Microsoft Word's Researcher tool to find relevant information)

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

- Clearly identify and cite AI-generated text (e.g., 'The following paragraph was generated by ChatGPT/Microsoft Word's Researcher tool')
- Review, edit, and ensure accuracy and originality of final submissions
- AI-generated content should not exceed 30% of the total assignment length

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](https://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 2205A SENSORY ASPECTS OF DESIGN FOR USER EXPERIENCE F25 - Juan Jimenez Garcia - Course Schedule.**