



COURSE TITLE	Spring Break: Industrial Design
COURSE MNEMONIC	CSSB 114
TOTAL HOURS	12 or 15
AGES	15 – 18 years

COURSE DESCRIPTION

Industrial designers are the visionaries who shape the future by seamlessly blending aesthetics, functionality, sustainability, and user experience. They are instrumental in solving complex design problems and driving innovation. In an era of environmental consciousness, industrial designers also contribute to sustainable practices by creating eco-friendly products and solutions. Get ready to explore the creative design process, from the core principles of design and their practical applications in industrial design, to fundamental sketching, visualizing and prototyping techniques used by professional designers. Through engaging projects and real-world scenarios, you'll brainstorm innovative ideas and develop your problem-solving skills. Whether your goal is to design the next great wearable technology, or the most comfortable chair, industrial design opens doors to diverse career opportunities from the medical industry, to footwear, to toy and game design. This course is suited for those new to design. It is also an excellent complement to experience design. Working in the studios at Emily Carr University, your instructor will guide you through prompts and projects, providing personalized feedback to support your creativity and exploration.

LEARNING OUTCOMES

By the end of this course, students will:

1. Understand the fundamental concepts of the design process and its application to industrial design
2. Discover sustainability practices and principles in industrial design, and how to incorporate them into your design ideas
3. Experiment with and develop visual ideas using two-dimensional drawing and perspective techniques
4. Gain confidence working with drawing and model-making materials
5. Transform a 2D sketch into a 3D prototyped form

LEARNING FORMAT

Courses taking place on campus include a variety of instructional methods such as in-class lectures and discussions, instructor guidance, peer feedback, and group or independent projects. Online courses include both synchronous instruction and asynchronous work time. Synchronous learning may include virtual lectures, video demos, virtual meetings with instructors and classmates. Asynchronous time may include independent study and practice, assignment completion and homework, and peer discussion forums.

LEARNING ASSESSMENT

This course is assessed as either Complete or Incomplete.

SOFTWARE

Required:

MATERIALS

To fully participate in this course, the following materials are required. You are welcome to use materials you already have.

QUANTITY	REQUIRED MATERIALS	ESTIMATED COST
1	Sketchbook, 8.5x11"	\$10.00
Various	Flat sheet material, ie: cardboard, foamcore etc. To be discussed in class	\$15.00
Various	Pens or markers, as you have on hand	\$0.00
1	Utility knife, small blade	\$5.00
1	Scissors	\$7.00
1	Metal cork-back ruler, 12" or longer	\$4.00

1	Pencil, HB	\$1.00
1	Pencil sharpener	\$1.00
1	White eraser	\$2.00
1	White all-purpose glue	\$4.00
1	Masking tape	\$3.00
Estimated Total		\$50.00

LEARNING AGREEMENT: EXPECTATIONS + CONDUCT

Attendance + Participation

Students are expected to attend classes during regularly scheduled, published times, arrive punctually and have materials needed to participate in class activities and assignments. Attendance is taken at the start of each class.

Online Learning

To get the most from your online learning experience, and to create a positive learning environment, students should expect to participate in discussions, break-out groups and discussion forums as established by the instructor. Students are responsible for regularly checking in to the Moodle site for assignments, resources, deadlines and course updates. All students are expected to log in on time and be prepared to engage in the work for scheduled classes.

Classroom Etiquette

A successful learning experience depends on mutual trust, respect and support. Students are expected to contribute to an inclusive learning environment free of bullying, harassment and discrimination. This includes addressing classmates using preferred names and pronouns, and being mindful of diverse lived experiences, levels of access and privileges.

Privacy

Emily Carr is committed to protecting students' personal information. All approved online learning tools (including Moodle and Zoom) are protected and safe. Any video recordings of lectures, presentations or critiques are stored on Canadian servers and only available to the instructor and students. If other online platforms are used for course participation, students, parents and/or guardians will be notified of any potential privacy considerations and asked to provide consent.

UNIVERSITY POLICIES

Emily Carr University policies are available online at <https://www.ecuad.ca/about/leadership-and-governance/policies>. Students are encouraged to familiarize themselves with all academic policies, and in particular the policies below.

Academic Integrity

Academic Integrity outlined in University policy 4.17 Academic Integrity is understood as producing work in a way that acknowledges the contributions of others in the design, creation, production, writing, etc. of any work. Any action or behaviour that violates Academic Integrity is considered a serious offence of academic misconduct and may result in serious academic consequences.

Student Conduct

All students must abide by the standards of conduct outlined in University policies 4.6 Student Conduct, 8.6 Harassment, Bullying and Discrimination, and 3.6 Sexual and Gender-based Violence and Misconduct. The University takes violations of these standards very seriously and may initiate disciplinary proceedings.