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# [ID-2400-101] Intro to Industrial Design Syllabus

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## Class Info

Course : Wintersession 2020; 3 Credits

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Location : CIT, Room 501

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Time : Jan 4- Feb 2; 8 AM - 1 PM  
(Thurs, Fri, every other Wed)

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Professor : Sejin Hwang

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Contact : shwang08@risd.edu

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“Office” Hours : Tuesday mornings,  
email me by Monday

Welcome Everyone! We will be sharing a space and engaging deeply in material and opinions that will feel new and different. Please enter this class with respect for each other, each other's learning needs and ideas. It is my intent that students from all diverse backgrounds and perspectives be well-served by this studio, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength and benefit.

It is my intent to present materials and activities that are respectful of diversity: gender, sexual orientation, disability, age, socioeconomic status, ethnicity, race, culture, perspective, and other background characteristics. Your suggestions about how to improve the value of diversity in this course are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally or for other students or student groups.

If you are a student with a disability that may require accommodations to complete the requirements of this studio, I invite you to please discuss your learning needs with me as soon as possible. Additionally, you can contact the Office of Disability Support Services in Carr Haus to outline strategies. We do not live alone, we do not design alone. Students of all abilities have the right to an excellent education.

It is also important to note that the Rhode Island School of Design is built on what is now called College Hill, part of the ancestral homelands of the Narragansett Nation. Indigenous people from many nations—near and far—live, study and work in Providence today. The amplification of Native voices and histories is crucial to rectifying the many violent legacies of colonialism, and we gratefully acknowledge the ongoing critical contributions of Indigenous people across our state, region and nation.

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## Course Description

In this product design studio, we will dissect an existing product, analyze a market segment, and redesign the product to fit the described market. The methodology used to complete this task will be accelerated, giving students an overview of a typical industrial design process. Students will be exposed to design drawing techniques, foam modeling methods, and the concept of designing for consumers.

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## Learning Outcomes

You have the opportunity to :

- 1) Practice design thinking with various industrial design methodologies in 2d and 3d
- 2) Explore problems and generate questions to contextualize design projects
- 3) Get introduced to ethnographic research to better understand users and people involved in the design processes
- 4) Communicate your ideas visually through drawings, sketches, collage and graphic design
- 5) Create prototypes to articulate concepts
- 6) Develop professional and engaging public speaking skills
- 7) Practice project and time management
- 8) Learn how to collaborate and communicate in group projects
- 9) Experience working in the Industrial Design atmosphere and resources while getting to know the department's culture and community

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## Course Schedule

This is a general overview of the schedule and may be changed or updated as the need arises. I will make a note ahead and communicate any adjustments as the semester progresses so students don't have any conflicts in planning this course ahead.

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### Week 1 (Observation & Drawing)

DATE	IN-CLASS	TASK
Jan 4, Thu	Introductions, Tool Distribution, What is ID? discussion, and Observation Exercise	
Jan 5, Fri	Visual Communication & Drawings	Receive Project 1

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### Week 2 (Construction & Prototyping)

DATE	IN-CLASS	TASK
Jan 11, Thu	Object Study	Due Project 1
Jan 12, Fri	Sketch Model with Various Materials	Receive Project 2 and Reading 1

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### Week 3 (User & Research)

DATE	IN-CLASS	TASK
Jan 17, Wed	Reading Discussion, Ethnography & Design Research	Due Project 2
Jan 18, Thu	User Persona & Experience Design	
Jan 19, Fri	Museum Visit, User and Market Analysis	Receive Final Project

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### Week 4 (Final Project Phase A)

DATE	IN-CLASS	TASK
Jan 25, Thu	Work Day & 1:1 Desk Crits	
Jan 26, Fri	Group Desk crits for Final Project Part 1	Receive Reading 2

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### Week 5 (Final Project Phase B)

DATE	IN-CLASS	TASK
Jan 31, Wed	Discuss Reading 2, Work Day	
Feb 1, Thu	Desk-Crits, Work Day	
Feb 2, Fri	Final Projects and Presentations Critique and celebration!	

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Field Trips

Tiffany & Co, Cumberland, Rhode Island  
Date TBD

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Projects

Project 1 : Observation & Drawing Technique

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Project 2 : Sensing, Writing, and Interpreting  
through Model Making

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Final Project Part 1 : Observation & Idea Generation

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Final Project Part 2 : Prototyping, Testing,  
Development & Delivery

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Course Structure

- In-class and out-of-class independent and group work, including fieldwork and shop

- Shared Google Folder and Slack for sharing assignments, resources, occasional reading and communication

- Presentations, demonstrations, discussions and feedback between all members of class

- Assignment details and submission guidelines will be explained at the end of class and shared online

- Occasional field trips

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Course Methods

Our Weekly Practice :

We will start each class with a fun exercise or a check-in question as a way to slow down and connect with ourselves and each other in preparation for our day's topic. This will include meditation, breath work, reading passages, or team building exercises.

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Daily Reflection :

You will be asked to have a small journal booklet for you to document your journey throughout the semester. Journal booklet will filled with your daily reflection. Each student will reflect on their own performance and work progress in every studio class through this daily reflection journal. What was something that you learned?

Something you wish to improve? Something you would like to explore more?

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Discussion/Critique Culture :

In this class, we will have a lot of discussion and critiques to share ideas. It is important to be open-minded and be respectful to each other. Don't worry if you're not comfortable speaking in public. We will explore different tools that would help us promote healthy and fruitful conversation throughout the semester. Also, please share if there are any specific tools that you wish to introduce for class discussion.

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Course Requirements

Arrive on time for every class. Please come into class fed, rested and energized to do your work and engage with the material and people's ideas.

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Complete all assignments and presentations on time and to your best ability. Communicate your questions or concerns with me as soon as possible to save time and avoid misunderstandings.

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Participate in class discussions and critiques. Respectful debate and critical discussion is highly encouraged.

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Review the day's schedule and arrive prepared with the day's materials and assignments.

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Take initiative to document your process. Daily reflection and logging will be part of our documentation practice.

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## Grading Policy and Evaluation Criteria

### Evaluation Criteria :

- Class participation in discussions
  - Creativity and experimentation
  - Dedication to craftsmanship and practice handling materials and techniques
  - Commitment to your own and our collective improvement and growth
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### Grading :

20%	Attendance & Class Participation
50%	Projects & Presentations
25%	Final Project
5%	Final Project Presentation

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### A Note about Attendance & Class Participation :

To respect fellow classmates and your professor, attendance and punctuality to each class is mandatory. If you miss more than two classes without letting me know prior with a written medical excuse or other issue, you will not pass the class. Part of this grade will be determined by your strong engagement in each class project, discussion, fieldwork, initiative and motivation to ask questions and share ideas with the class.

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## Academic Code of Conduct & Policies

We are sharing a learning space. Please give your full attention while somebody is presenting. Laptops and smartphone usage can be a distraction and interpreted as disrespectful. For this reason, we will practice paper-note taking during presentations. Each class will have one break.

### Late Work :

There will be 5% grade deduction for each day submitted late. Always communicate with me about anticipated issues, late work or absences please.

### Citation & Plagiarism :

Clearly cite any materials (text and images) that you have borrowed. Plagiarism is the act of taking somebody else's work or idea without proper acknowledgment. Any plagiarism committed and confirmed will result in an immediate 'F' for the course. Using other work that is not original without citation is not tolerated in our class.

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## Materials

Materials will be available at RISD 2nd Life, RISD Store, RISD 3D, Staples, Jerry's Artarama, Blick, Adlers Hardware/ Home Depot/ Lowes, Lorraine's, Recycling Center and other supply stores. At times you will also need to make prints which is possible from the RISD library, ID and other academic buildings, Staples, FedEx Kinkos or other printers.

For drawing & documentation :

- Small Sketchbook for journal and documentation
- 24" Roll of paper
- Pencils, eraser, sharpener
- Black Sharpie/ felt pens
- Any of your favorite writing and finer drawing pens
- Colored pencils and markers

For craft :

- Scissors
- Box cutter/ blades, Olfa/ X-acto knife
- 12"/ 30cm ruler, Straight-edges/ triangle, templates
- Various tape: Blue painter's/ artist/ masking tape

For shop use :

- An apron
- Safety goggle

For model making :

- Pink/ blue insulation foam
- Chipboard/Bristol Board/Cardboard/ foam core
- Wire
- Wood-filler
- Sandpaper (various grit)