The Design and Fabrication of Everyday Things, INTM-SHU 236-003 (4 credits)
Session II Summer 2019
Instructor: Leon Lu

Syllabus (May be subject to minor change):
Go to: https://uploads.strikinglycdn.com/files/ef3143cc-a293-4807-92e4-05fb5a6f095a/Syllabus%20Summer%202019.pdf

Course Description:
This PCI Summer Course Fulfills IMA Elective Art & Design

This course explores the fundamental processes involved in the design and fabrication of everyday objects. Students are introduced to creative techniques to develop insight into human behavior and explore the idea of human needs. In parallel, they will learn how to make prototypes that begin with rapid paper prototyping techniques and later develops into tangible 3D models of objects using 3D modelling, 3D printing and laser cutting techniques. We will be using Rhino(3D) as our primary CAD software for 3D modelling, Adobe Illustrator to generate laser cutting files and Cura as our primary software to 3D print objects. This class will be partially lecture based and partially studio lead. This course is offered as part of Program on Creativity + Innovation (PCI) and the Interactive Media Arts (IMA) program. The overall goal of this course is to help students be an active part of the design process. Through use cases, design critique and in class workshops, students will build a fundamental understanding of design and through in-class tutorials, live demonstrations and access to digital fabrication tools, students will be able to realize their ideas into tangible, tactile objects based on insight and research.

-> Go to the next page for enrollment details.
Eligibility & Selection/Application Instructions:

Enrollment is open to undergraduates who have completed at least 1 year of full-time undergraduate study by the time they begin the program.

- **NYU Shanghai students** can select courses on Albert and do NOT need to fill out an application for summer session. They should contact their academic advisors for registration clearance beforehand.
- **NYU New York and NYU Abu Dhabi students**: Login to the application [here](http://shanghai.nyu.edu) with your netID and password. Select "Summer 2019."
- **Visiting students (Non-NYU) from other accredited universities**: Create an application ID through the [online application](http://shanghai.nyu.edu). Please also send an official undergraduate transcript (in English) to [shanghai.summer@nyu.edu](mailto:shanghai.summer@nyu.edu) (a scanned copy) OR NYU Shanghai Summer Program 14 East 4th Street, Suite 3003, New York, NY 10012 (a hard copy).

Important Dates:

For **NYU Shanghai Undergraduates**

- Relevant features available on Albert: Jan. 11, 2019
- Online registration begins: 9:00 a.m. EST, Feb. 11, 2019

For **Undergraduates from NYU New York, NYU Abu Dhabi, or External Universities**

- Priority Deadline: Feb. 3, 2019
- Regular Deadline: March 3, 2019

Questions?:

- **Website**: [https://shanghai.nyu.edu/study-away/summer-courses](https://shanghai.nyu.edu/study-away/summer-courses)
  (All summer courses)
  or [http://creativityandinnovation.shanghai.nyu.edu/highlighted-courses](http://creativityandinnovation.shanghai.nyu.edu/highlighted-courses)
  (PCI summer courses only)

- **Email**: [shanghai.summer@nyu.edu](mailto:shanghai.summer@nyu.edu) (All summer courses)
  or [creativity.innovation@nyu.edu](mailto:creativity.innovation@nyu.edu) (PCI summer courses only)

- **Phone**: +86 021 2059-5891 (Mon. - Fri., 9:00 - 17:00 EST)
- **Facebook**: [@pcinyush](https://www.facebook.com/pcinyush)
- **WeChat**: NYUSHPCI