

Syllabus

2015 Semester 1 (Spring)

College of Design_ Undergraduate_Year 3

Course	Living Equipment Design	Credit	2	Time	4	Prof.	Emmanuel Wolfs
Department	Industrial Design	Room	Design Bd. 309	Lecture Schedule	Friday 9am-1pm		
Office Hours	Tuesday 01 – 05 pm (by appointment only)	Office			Room 302		
Objectives	<p>This unit is an exploration of the domestic environment and the various designed objects that surround us and make our life comfortable.</p> <p>The students will revisit common household tools and will use their knowledge of Green Design and Universal Design acquired in year 2 to design appliance that are comfortable to use, safe, economical in energy and respectful of the environment.</p> <p>Students will be encouraged to explore the emotional connection we have with some of the objects that surrounds us and they will use their discoveries in order to develop design that are pleasant and rewarding to interact with.</p>						
Method/ Materials	Lecture 20%, Individual Tutoring& Case Studies50%, Presentation & Discussion30%						
Grading	Attendance 20%, Daily Assignment, Sketchbook(Process & Research) 20%, Mid-Term Review 20%, Final Design & Presentation 40%						
Reference	Title	Author		Publisher	Year		
Book	What Things Do: Philosophical Reflections on Technology, Agency, and Design	Perter-Paul Verbeek		Pennsylvania State University Press	2005		
	Objects of Desire: Design and Society Since 1750	Adrian Forty		Thames & Hudson	1986		
	Manufacturing Processes for Design Professionals	Rob Thompson		Thames & Hudson	2007		
	Making It. Manufacturing Techniques for Product Design	Chris Lefteri		Laurence King	2007		
	Designing Interactions	Bill Moggridge		MIT Press	2006		
Assigned Project Title: Smart Home Objects – Convenience, Safety, Pleasure							
<p>This unit will focus on the home environment - a place of refuge, safety, and well-being - the most important place in anyone’s life. Students will focus on helping users to truly feel at home, by making the domestic environment and products safer, more comfortable and enjoyable by design.</p> <p>The work of the students will be based on a thorough analysis of existing situations and will aims at improving experiences by adapting to the various ergonomic specificities of the users as observed by the students during their research process. Moreover, a particular attention will be paid to the materials and production of the design in order to developresponsible products.</p>							

Weekly Lesson Plans

Date		Week	Content
Mar.	06	01	Introduction, Project Brief Brainstorming, project planning
	13	02	Primary Product Research, Identification of needs through critical observation and analysis
	20	03	Primary design direction Research Analysis, Discussion, Concept development
	27	04	Concept development (3 or more individual ideas, presented) Experimentation and discussion
Apr.	03	05	Basic model (soft Mock up of all primary concepts) Critical analysis
	10	06	Mid term examination preparation Visual presentation and basic model of all primary concepts
	17	07	Mid-term assessment and critique Presentation of the research and primary concepts
	24	08	Analysis of results of the Mid term assessment, Final concept selection
May.	02	09	Final concept development, material and production technique research
	08	10	Soft mock up of the final design. Critical analysis, discussion
	15	11	Final concept development, final blueprint
	22	12	Model making, 2D-3D prototype design
	29	13	Model making, 2D-3D prototype design
Jun.	05	14	Model making, 2D-3D prototype design
	12	15	Final Visual presentation, documentation of the project
	19	16	Final Assessment