SDES3801
UNSW Piaggio Lab

Term T3, 2019

Course Information

Units of Credit: 6

Course Overview

Course Description

The UNSW Piaggio Lab offers students the opportunity to work with an historically significant and internationally recognised brand. In this course teams of engineering and design students will collaborate to design and prototype concepts for the next generation Vespa focusing on developing new features, product augmentations, and innovative services. What is the future of the next generation of Vespa in a world seeking sustainable transport solutions and driven personal digital ecosystems. How will the next generation of Vespa respond to this rapidly evolving context?

Interdisciplinary collaboration is at the heart of the program and students will be encouraged to seek out collaborators from the participating cohort and form design teams. Critical thinking and interdisciplinary processes are integral to this project. The Piaggio Lab strives to begin visioning the new Vespa for the city, proposing a progressive way forward for Piaggio's most popular product.

Students studying in this course will

· engage in research about the Piaggio company, the Vespa scooter, it's history, and current trends, challenges and opportunities in design for urban mobility.

· collaborate in interdisciplinary teams of design and engineering students.

· develop design concepts and prototypes using appropriate methods, tools and technologies in teams.

· formulate strategies for visualising, prototyping and communicating the design, engineering, and marketing opportunities this process reveals.

Course Learning Outcomes

On completion of this course, the student should be able to:

1. Generate practical and conceptual studio and workshop research to produce a project proposal.
2. Develop innovative design concepts in collaborative interdisciplinary design studio, workshop and fieldwork environments.
3. Visualise and prototype creative and innovative designs using analogue, digital, and workshop production technologies.
4. Produce presentations, written reports, and prototypes in teams that effectively communicate design concepts and prototypes for professional audiences.

Teaching and Learning in this Course

This courses uses a variety of teaching approaches:

Blended/online

- Review - assessment tool
- Moodle - learning management system

Assessment

	TITLE	WEIGHTING	ASSESSMENT TYPE
Assessment Task 1	Project Proposal	20%	Project Proposal
Assessment Task 2	Piaggio Lab Project	60%	Project
Assessment Task 3	Piaggio Lab Reflection and Evaluation	20%	Written Report

References for this Course

https://ap01-a.alma.exlibrisgroup.com/leganto/public/61UNSW_INST/lists/28464374240001731?auth=LOCAL