LIVERPOOL JOHN MOORES UNIVERSITY

User Centred Design

Module Information

2022.01, Approved

Summary Information

Module Code	6265PDE
Formal Module Title	User Centred Design
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Lecture	22
Practical	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	Introduce UCD research methods and to allow students to practice the concepts and language of product semantics.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Integrate new knowledge of the role of the user in design
MLO2	2	Synthesize knowledge of product semantics in creating a new product concept.
MLO3	3	Test and evaluate a concept using the appropriate research-based methodology

Module Content

Outline Syllabus	The module covers the area of user-centred design that incorporates user centred research skills and product semantics / semiotics knowledge. As part of this process, students will create a conceptual solution based on their research findings through the NPD process.The syllabus will include the following:• Introduction to user centred research methods• Concepts, principles & language of product semantics• Frameworks of industrial design philosophy, research methods, standards and data, human issues, cultural context, and design outcomes.• Articulate product interaction problems in innovative ways & experiment with meaning via replicable design methods• The role and use of aesthetics in 2D and 3D objects• Test and evaluate human-product interactions
Module Overview	**Aims** **Introduce UCD research methods and to allow students to practice the concepts and language of product semantics.** **Learning Outcomes** **After completing the module the student should be able to:** **1 Integrate new knowledge of the role of the user in design.** **2 Synthesize knowledge of product semantics in creating a new product concept.** **3 Test and evaluate a concept using the appropriate research-based methodology.**
Additional Information	UN Sustainable Development GoalsThis module includes content, which relates to the following UN Sustainable Development GoalsSDG10 – this module investigates inclusive design, and how this should lead to products that can be used by all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Presentation	Poster and Model	70	0	MLO1
Portfolio	Gallery and Process Book	30	0	MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Fang Bin Guo	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings