

## User Centred Design

### Module Information

2022.01, Approved

#### Summary Information

Module Code	6165PDE
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 practise the concepts and language of product semantics.
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**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	This module introduces User Centred Design research methods and allows you to practice the concepts and language of product semantics.
Additional Information	This module is delivered using a variety methods including lectures, seminars, tutorials and practical sessions. The module will be delivered from a engineering and product design perspective.

## 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
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