

Liverpool John Moores University

Title: APPLIANCE DESIGN AND APPLICATION
Status: Definitive
Code: **6064TEF** (103878)
Version Start Date: 01-08-2016

Owning School/Faculty: Sports Studies, Leisure and Nutrition
Teaching School/Faculty: Sports Studies, Leisure and Nutrition

Team	Leader
Wendy Johnston	Y

Academic Level: FHEQ6
Credit Value: 12
Total Delivered Hours: 48
Total Learning Hours: 120
Private Study: 72

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	24
Practical	24

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	Portfolio 3,000 word equivalent	100	

Aims

To enable students to develop a knowledge and understanding of the process of inclusive appliance development. To gain practical experience of appliance development and testing processes and to understand the importance of meeting the end users needs.

Learning Outcomes

After completing the module the student should be able to:

- 1 Critically analyse the evolution of domestic appliances and white goods.
- 2 Critically evaluate the factors determining the successful development of new appliances from concept to marketplace.
- 3 Evaluate a range of domestic appliances and white goods to establish fitness for purpose.
- 4 Critically evaluate future advances in appliance technology and the impact on the end user.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Portfolio	1	2	3	4
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Outline Syllabus

The evolution of domestic appliances and white goods: past, present and future technology. The development and testing of new domestic appliances and white goods: testing procedures, European standards, consumer testing, inclusive design, ergonomics, fitness for purpose, marketing. The end user: consumer trends, lifestyle.

Learning Activities

Lectures and practical workshop sessions will be the main form of student learning. These will be supported by a series of tutorials. Each topic will be introduced by a lead lecture followed by a practical workshop session. Activities will be student centered and will include guest speakers and opportunities to visit appliance manufacturers.

Notes

A practical and theoretical module which critically evaluates the factors determining the successful development of new appliances from concept to marketplace. Students will be expected to test and evaluate a range of domestic appliances and white goods. Evidence from this module may contribute to WoW certification.