

## MODULE DESCRIPTOR

### Module Title

Three Dimensional Design: Principles & Methods

Reference	AA2505	Version	3
Created	March 2023	SCQF Level	SCQF 8
Approved	August 2012	SCQF Points	30
Amended	July 2023	ECTS Points	15

### Aims of Module

To provide the student with an advanced level of knowledge to explore and demonstrate a breadth of fundamental design methodologies, processes & materials and visualisation skills appropriate to specialist study in Three Dimensional Design.

### Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Develop an advanced level of core research skills as a foundation to apply the principles and methodologies appropriate to specialist study.
- 2 Demonstrate a developing knowledge of materials, processes and technologies specific to Three Dimensional Design.
- 3 Apply a range of relevant multi-media visualisation processes and techniques to communicate and resolve design concepts.
- 4 Develop and apply project management techniques to assist in the implementation of design projects within specialist study.
- 5 Further develop the critical and conceptual exploration of ideas within workshop and studio practice.

### Indicative Module Content

The module develops practical and theoretical aspects of design methods, context and visualisation skills and processes relevant to Three Dimensional Design that will typically include: Understanding and interpretation of a design brief. Student centred learning and development of personal visual (creative) language. Research and design methods. Use of concept models and prototypes. Peer to peer dialogue and experimentation. Creative and critical thinking methods. Application of materials, design technology and digital software Oral and written communication and presentation. Emphasis is placed on the appropriate use of materials and processes and the student is encouraged to discover and develop a personal response to the design problems through research, debate and experimentation. Completed project work should evidence an awareness and consideration of sustainable themes in a manner appropriate to the context of the discipline.

### Module Delivery

These directed design projects are studio based and will typically be delivered through project briefing, (often involving an external client) individual and group tutorial support, interim crits or seminars and final presentation and review of work.

### Indicative Student Workload

	Full Time	Part Time
Contact Hours	90	N/A
Non-Contact Hours	210	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

### ASSESSMENT PLAN

*If a major/minor model is used and box is ticked, % weightings below are indicative only.*

#### Component 1

Type:	Coursework	Weighting:	100%	Outcomes Assessed:	1, 2, 3, 4, 5
Description:	Submission of resolved 2D and/or 3D design project work and supporting portfolio of all research and development work produced within the module. This would typically include workbooks, visual diaries, drawing and visualisation, digital files and on line resources, samples, models, macquettes, documentation and any other relevant materials.				

### MODULE PERFORMANCE DESCRIPTOR

#### Explanatory Text

In order to pass the module you need to achieve a D or above.

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	An A in C1
<b>B</b>	A B in C1
<b>C</b>	A C in C1
<b>D</b>	A D in C1
<b>E</b>	An E in C1
<b>F</b>	An F in C1
<b>NS</b>	Non-submission of work by published deadline or non-attendance for examination

### Module Requirements

Prerequisites for Module	None.
Corequisites for module	None.
Precluded Modules	None.

**ADDITIONAL NOTES**

The Bibliography indicates core texts that are considered essential reading for this module. You will be guided to further sources of information relevant to this module through CampusMoodle. These may typically include web based materials, journals, video and presentations.

**INDICATIVE BIBLIOGRAPHY**

- 1 Bramston, D., 2008. Basics Product Design 02: Material Thoughts.
- 2 Hallgrimsson, B., Prototyping and Modelmaking for Product Design. 2019. Laurence King Publishing
- 3 HALL. S. 2007. This Means This This Means That: A User's guide to semiotics. Laurence King Publishers.
- 4 HOWES. P. and LAUGHLIN. Z., 2012 Material Matters: New materials in design. Black Dog Publishing.
- 5 CYPI. 2012. Contemporary Jewellery: Innovative Materials: CYPI Press.
- 6 SHILLITO, ANNE MARIE. 2013. Digital Crafts: Industrial Technologies for Applied Artist and Designers. London UK. A&C Black Visual Arts.