

## MODULE DESCRIPTOR

### Module Title

Studio 3: Ergonomics

Reference	AC2501	Version	1
Created	August 2024	SCQF Level	SCQF 8
Approved	January 2025	SCQF Points	30
Amended		ECTS Points	15

### Aims of Module

The aim of this module is to develop an understanding of the use of space in relation to the human body and approaches to ergonomics in interior design and interior architecture.

### Learning Outcomes for Module

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

- 1 Show understanding of developed principles of research and investigation in support of studio tasks.
- 2 Distinguish the critical contextual issues and key principles of ergonomics which inform an appropriate design response.
- 3 Undertake design exercises which show consideration of scale, space, composition, and ergonomics.
- 4 Show design intentions verbally and in 2D and 3D using developed digital and analog techniques.

### Indicative Module Content

Students undertake a series of studio-based projects varying in scale and complexity, consolidating the process of interior design principles focusing on ergonomics in architecture ? intentional design and human-centered interiors - culminating in a final interior design project. Students will research and apply anthropometric data to address design problems and explore case studies of evidence-based design solutions and apply to their own studio work. The module will be run in an inter-disciplinary collaborative mode encouraging interaction with external professionals (architects, engineers, psychologists, furniture designers and healthcare specialists) and learning from other disciplines broadening the notions and overlap of accessibility, inclusivity, functionality, well-being and aesthetics in interior design. Students employ skills in 2D CAD and 3D visualisations to aid their design and communication skills. Please note that attention should be paid to considering opportunities within design practice where appropriate actions can be taken to heighten the potential for positive sustainable impact. Whilst there may be links to the full suite of SDGs, within the context of this module, it would be expected that appropriate consideration is paid to SDGs 9, 11 and 12 as a baseline.

### Module Delivery

This is studio-based module with introductory lectures (reinforcing real life applications and research examples), individual and group tutorials, private study and design work. Students develop work through self-directed learning, and through tutor consultation. Students will be expected to consult regularly with tutors and present their work to staff, other students and invited critics at periodic reviews. Final designs will be presented orally and using multi-media techniques in open forum. Tutors provide feedback at tutorials and reviews.

### Indicative Student Workload

	Full Time	Part Time
Contact Hours	91	N/A
Non-Contact Hours	209	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
Description:	The coursework consists of a Portfolio of design work - the portfolio includes drawings, models and all work generated from all tasks related to the design project. It should include a sketchbook recording the project development and personal learning journey in a concise graphic and written presentation.				

### MODULE PERFORMANCE DESCRIPTOR

#### Explanatory Text

Component 1: Portfolio

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	A
<b>B</b>	B
<b>C</b>	C
<b>D</b>	D
<b>E</b>	E
<b>F</b>	F
<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.

**INDICATIVE BIBLIOGRAPHY**

- 1 Nussbaumer, L.L. (2012) Inclusive design: a universal need. New York?: London: Fairchild?; Bloomsbury [distributor].
- 2 Neufert, E., Neufert, P. and Kister, J. (2019) Architects? data. Fifth edition. Translated by D. Sturge. Hoboken, NJ: Wiley-Blackwell.
- 3 Panero, J. and Zelnik, M. (1979) Human dimension & interior space: a source book of design reference standards. New York: Whitney Library of Design.