



## Module Definition Form (MDF)

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|-------------------------------|----------------------------------------------------|
| <b>Module code:</b> MOD011550 | <b>Version:</b> 1 <b>Date Amended:</b> 13/Apr/2026 |
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| <b>1. Module Title</b>  |
| Sustainable Cutting Lab |

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| <b>2a. Module Leader</b> |
| Sarah Graham             |

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| <b>2b. School</b>       |
| Cambridge School of Art |

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|------------------------------------------------------------|
| <b>2c. Faculty</b>                                         |
| Faculty of Arts, Humanities, Education and Social Sciences |

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| <b>3a. Level</b> |
| 4                |

|                        |
|------------------------|
| <b>3b. Module Type</b> |
| Standard (fine graded) |

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|--------------------|
| <b>4a. Credits</b> |
| 15                 |

|                        |
|------------------------|
| <b>4b. Study Hours</b> |
| 150                    |

| <b>5. Restrictions</b>                             |             |             |           |
|----------------------------------------------------|-------------|-------------|-----------|
| Type                                               | Module Code | Module Name | Condition |
| Pre-requisites:                                    | None        |             |           |
| Co-requisites:                                     | None        |             |           |
| Exclusions:                                        | None        |             |           |
| <b>Courses to which this module is restricted:</b> | None        |             |           |

## LEARNING, TEACHING AND ASSESSMENT INFORMATION

### 6a. Module Description

The creative design industry is increasingly acknowledged as a major contributor to environmental degradation and the disruption of natural ecosystems. As such, embedding sustainability into design practice is now a fundamental imperative across the sector.

In this module, you will critically engage with a wide range of contemporary issues and contexts shaping the industry. This will include the exploration of theoretical frameworks in design thinking, alongside the practical application of innovative, sustainable pattern cutting and construction methods.

You will acquire advanced 2D and 3D technical skills that support the development of original, sustainability-focused design solutions. You will be introduced to digital fashion software (Clo3D) to explore zero waste solutions. Through the study of both traditional and experimental pattern cutting techniques, you will cultivate a deeper understanding of creative and technical strategies for sustainable problem-solving.

Your learning will be supported through studio-based project briefs and inclusive, collaborative environments. These include practical workshops, seminars, group critiques, student-led presentations (focused on both process and outcomes), and one-to-one tutorials. These experiences will help you explore context, process, and application, while also fostering self-reflection, communication, and professional development.

### 6b. Outline Content

- **Sustainability in the Creative Design Industry:** An introduction to the environmental impact of the design sector and the imperative for sustainable practices.
- **Theoretical Perspectives in Sustainable Design:** Critical engagement with key theories and frameworks informing sustainable design thinking and practice.
- **Innovation in Contemporary Sustainable Design:** Exploration of innovative approaches to sustainability within current creative design contexts.
- **Introduction to 3D Digital Fashion Software – Clo3D – Zero Waste**
- **Traditional and Experimental Techniques:** Development of 2D and 3D pattern cutting and construction methods, incorporating both conventional and experimental practices
- **2D to 3D Design Translation:** Development of technical skills to transform conceptual ideas into resolved three-dimensional design outcomes.
- **Sustainable Garment Construction:** Application of innovative techniques in pattern cutting, fabric manipulation, toile development, and product realisation, with a focus on sustainable materials and processes.

### 6c. Key Texts/Literature

The reading list to support this module is available at: <https://readinglists.aru.ac.uk/>

### 6d. Specialist Learning Resources

Fashion Studios, Pattern Cutting room, Production workroom, Clo3D, Adobe Creative Cloud and WGSN

| 7. Learning Outcomes (threshold standards) |                                                             |                                                                                                                                                                                                         |
|--------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No.                                        | Type                                                        | On successful completion of this module the student will be expected to be able to:                                                                                                                     |
| 1                                          | Knowledge and Understanding                                 | Critically evaluate traditional and experimental approaches to pattern cutting and garment construction, establishing theoretical connections between sustainability and design innovation              |
| 2                                          | Knowledge and Understanding                                 | Experiment with sustainable technical strategies to develop 2D and 3D creative solutions to contemporary challenges in the fashion industry                                                             |
| 3                                          | Intellectual, practical, affective and transferrable skills | Independently investigate design challenges using diverse research methods, synthesise relevant information, and effectively communicate creative ideas and sustainable outcomes to industry standards. |
| 4                                          | Intellectual, practical, affective and transferrable skills | Critically reflect and evaluate the design process and outcomes with technical skill and sustainable awareness.                                                                                         |

| 8a. Module Occurrence to which this MDF Refers |            |                                             |          |                  |
|------------------------------------------------|------------|---------------------------------------------|----------|------------------|
| Year                                           | Occurrence | Period                                      | Location | Mode of Delivery |
| 2026/7                                         | ZZF        | Template For Face To Face Learning Delivery |          | Face to Face     |

| 8b. Learning Activities for the above Module Occurrence |       |                   |                                                                                                                      |
|---------------------------------------------------------|-------|-------------------|----------------------------------------------------------------------------------------------------------------------|
| Learning Activities                                     | Hours | Learning Outcomes | Details of Duration, frequency and other comments                                                                    |
| Lectures                                                | 4     | 1-4               | 4 hours allocated for module related lectures                                                                        |
| Other teacher managed learning                          | 32    | 1-4               | Up to 3 hours per week for 12 weeks (workshops, demonstrations, inductions, critiques and tutorials)                 |
| Student managed learning                                | 114   | 1-4               | Use of technician supported sessions, open access studios and workshop. Research in libraries, museums and galleries |
| TOTAL:                                                  | 150   |                   |                                                                                                                      |

## 9. Assessment for the above Module Occurrence

The assessment for some modules includes a presentation (see below for details on how this particular module is assessed). We recognise that presenting, especially to a large group, can cause significant anxiety or distress for some students. If this may affect you, please contact your Module Leader or the Disability and Neurodiversity Service as early as possible. We will work with you to consider appropriate reasonable adjustments. Depending on your individual needs, these might include, for example, presenting to a smaller group or presenting only to a member of academic staff.

| Assessment No. | Assessment Method | Learning Outcomes | Weighting (%) | Fine Grade or Pass/Fail | Qualifying Mark (%) |
|----------------|-------------------|-------------------|---------------|-------------------------|---------------------|
| 010            | Coursework        | 1-4               | 0 (%)         | Pass/Fail               | 100 (%)             |

**Sustainable Cutting Lab Technical File, Technical Pack and Product Realisation (equivalent to 3000 words)**

In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7\*).

In addition, students are required to:

- (a) achieve the qualifying mark for each element of fine graded assessment as specified above
- (b) pass any pass/fail elements

[\* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]