

## Module Specification

### Summary Information

|                            |   |
|----------------------------|---|
| <b>Module Code</b>         | 5604TPT   |
| <b>Formal Module Title</b> | Lighting Design, Electrics and Programming (Specialist Pathway) |
| <b>Career</b>              | Undergraduate   |
| <b>Credits</b>             | 45  |
| <b>Academic level</b>      | FHEQ Level 5  |
| <b>Module Pass Mark</b>    | 40  |

### Learning Methods

| Learning Method Type | Hours |
|----------------------|-------|
| Lecture              | 60    |
| Practical            | 45    |
| Tutorial             | 5     |
| Workshop             | 90    |

### Module Offering(s)

| Start Month | Duration |
|-------------|----------|
| September   | 28 Weeks |

### Aims and Outcomes

|             |  |
|-------------|--|
| <b>Aims</b> | This module will further develop the learner's knowledge, skills and understanding gained at Level 4 and offers in-depth learning in the student's chosen specialism of lighting for performance. This will include developing their analytical and creative approach to lighting design, technical lighting methodologies and technology, the use of specialist equipment and software, and current professional working practices; helping them develop a greater understanding of the current professional context of the specialist area of design and production. |
|-------------|--|

### Learning Outcomes

After completing the module the student should be able to:

| Code | Description   |
|------|---|
| MLO1 | Develop a critical design process through the exploration and application of light as a creative and communicative medium to convey narrative, mood, and thematic intent to an audience.                              |
| MLO2 | Demonstrate an understanding of the key skills of a Lighting Designer through the creation of technical drawings, sketches, and other information pursuant to contemporary working practices.                         |
| MLO3 | Interpret a lighting design to produce technical lighting systems and supporting documentation in alignment with industry regulations and the contemporary working practices of a Chief Electrician/Head of Lighting. |
| MLO4 | Appreciate and apply the technical aspects of generic and intelligent lighting equipment, power arrangements and networking systems.  |
| MLO5 | Explore, examine, and apply industry-standard methodologies for the preparation, programming and operation of a lighting control system to manipulate light for theatre and live performance.                         |

## Module Content

### Outline Syllabus

This module offers a detailed study of the design and technical aspects of lighting for performance. Lectures and practical workshops will typically cover topics such as: the role of the lighting designer, chief electrician, programmer and electrics department; designing, planning, paperwork and preparation; lighting design systems and stage formats; colour theory; analysing dramatic texts to create design concepts; intelligent lighting fixtures and maintenance; system networking; electrical theory and principles; lighting processes and techniques to realising a production; practical workshops in rigging, hanging, focusing and testing lighting systems; power management, safety, distribution and calculations; portable appliance testing; electrical wiring theory and practical workshops; wireless systems, LED technology and effects; AV design principles and control; specialist CAD and visualisation training; and lighting control programming training.

### Module Overview

This specialist pathway offers in-depth study and practice in the design and technical aspects of lighting for performance. You will develop your analytical and creative approach to lighting design for theatre and live performance, as well as your skills and knowledge in technical lighting, electrics, and lighting control programming. This will give you the understanding and experience needed to become an accomplished Chief Electrician/Head of Lighting or Lighting Designer.

## Assessments

| Assignment Category | Assessment Name | Weight | Exam/Test Length (hours) | Learning Outcome Mapping |
|---------------------|-----------------|--------|--------------------------|--------------------------|
|---------------------|-----------------|--------|--------------------------|--------------------------|

|           |                              |    |   |            |
|-----------|------------------------------|----|---|------------|
| Portfolio | Lighting Design Project      | 40 | 0 | MLO1, MLO2 |
| Portfolio | Lighting Design Plan         | 30 | 0 | MLO3, MLO4 |
| Exam      | Lighting Control Programming | 30 | 1 | MLO5       |