UNIVERSITY of BRADFORD

# Module Descriptor

| Module Details | |
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| **Module Title:** | Health Safety and Power Management |
| **Module Code:** | FAM7022-B |
| **Academic Year:** | 2019-20 |
| **Credit Rating:** | 20 |
| **School:** | Department of Media Design and Technology |
| **Subject Area:** | Film and Media |
| **FHEQ Level:** | FHEQ Level 7 (Masters) |
| **Pre-requisites:** | |
| **Co-requisites:** | |

| Contact Hours | |
|---|---|
| **Type** | **Hours** |
| Lectures | 8 |
| Tutorials | 10 |
| Laboratory | 4 |
| Directed Study | 178 |

| Availability | |
|---|---|
| **Occurrence** | **Location / Period** |
| BDA | University of Bradford / Semester 2 (Feb - May) |

## Module Aims

This module will provide students with an understanding of the principles as well as a practical understanding of health, safety and power management issues particular to outside broadcasting. For this purpose a variety of skills in problem solving, communications and techniques of investigation will be fostered. Skills gained in this module will be consistent with the current standards and industry practise for health, safety and power management issues in outside broadcasting.

## Outline Syllabus

General Knowledge of electricity and power for safety reasons
Electrical supply types, generator or venue power connection, load management, equipment power supplies, weather effects on power

Lighting fixings and mounts: rigging them, and making them safe

Health and Safety at Work
RIDDOR
Risk Assessments
Electrical safety of entertainers
Noise at work. - Time limits associated with exposure to different sound pressure levels (SPL).
The consequences of over exposure.
How to protect ones own hearing and that of contributors and audience
Personal Protective Equipment requirements.
Risk assessment
Site specific hazards.
Permit requirements
personal hygiene

## Learning Outcomes

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|---|---|
| 1 | Evaluate all risks to people and equipment in order to select the most appropriate equipment and processes for managing an outside broadcasting event.<br>Identify and provide safe solutions for common problems that arise in outside broadcasting.<br>Calculate capacities and load of equipment to ensure use within safe limits. |
| 2 | Manage health, safety and power management issues in outside broadcasting events.<br>Prepare and operate a wide range of power equipment on site, asses associated risks and ensure safe working practices are in place and are monitored.<br>Monitor power systems for equipment selection and load management to detect malfunctions |
| 3 | Take action to maintain safe working<br>Communicate ideas effectively<br>Solve problems methodically |

## Learning, Teaching and Assessment Strategy

The learning and teaching strategy is based on an integrated and blended learning experience that will include residentials, online learning through the VLE, supported work-based learning and directed study. Practical skills such as the choice of equipment or risk assessment will be developed through a structured work-based learning supported by your work-place mentors. Underpinning knowledge and understanding will be developed through lectures and seminars, directed reading and online exercises. A logbook demonstrating the performance of practical elements will be completed before attendance at the assessment residential. The assessment will be through an assessed scenario activity, which will include location based practice scenarios for assembling power management equipment and risk assessment. This will be supplemented by online exercises and a written reflection on what was learned on the module.

| Mode of Assessment | | | | |
|---|---|---|---|---|
| **Type** | **Method** | **Description** | **Length** | **Weighting** |
| Summative | Examination - practical/laboratory | assessed practical scenario activity | | 60% |
| Summative | Classroom test | Examination | 1 hour | 40% |

| Reading List |
|---|
| To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html. |

*Please note:*

*This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.*