Health Safety and Power Management

Module Code: FAM7022-B
Academic Year: 2018-19
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

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Lectures</td>
<td>8</td>
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<tr>
<td>Tutorials</td>
<td>10</td>
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<tr>
<td>Laboratory</td>
<td>4</td>
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<tr>
<td>Directed Study</td>
<td>177</td>
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<td>Examinations DO NOT USE</td>
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Availability Periods

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<tr>
<th>Occurrence</th>
<th>Location/Period</th>
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<td>BDA</td>
<td>University of Bradford / Semester 2 (Feb - May)</td>
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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 one's own hearing and that of contributors and audience
Personal Protective Equipment requirements.
Risk assessment
Site specific hazards.
Permit requirements
personal hygiene

Module Learning Outcomes

On successful completion of this module, students will be able to...

1. Evaluate all risks to people and equipment in order to select the most appropriate equipment and processes for managing an outside broadcasting event.
   Identify and provide safe solutions for common problems that arise in outside broadcasting.
   Calculate capacities and load of equipment to ensure use within safe limits.

2. Manage health, safety and power management issues in outside broadcasting events.
   Prepare and operate a wide range of power equipment on site, assess associated risks and ensure safe working practices are in place and are monitored.
   Monitor power systems for equipment selection and load management to detect malfunctions

3. Take action to maintain safe working
   Communicate ideas effectively
   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 residential, 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**

<table>
<thead>
<tr>
<th>Type</th>
<th>Method</th>
<th>Description</th>
<th>Length</th>
<th>Weighting</th>
<th>Final Assess'</th>
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<td>Summative</td>
<td>Examination - closed book</td>
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**Legacy Code (if applicable)**

EM-4098D

**Reading List**

To view Reading List, please go to [rebus:list](#).