

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

Type	Hours
Lectures	8
Tutorials	10
Laboratory	4
Directed Study	177
Examinations DO NOT USE	1

Availability Periods

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

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, asses 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 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	Final Assess'
Summative	Other form of assessment DO NOT USE	assessed practical scenario activity		60%	No
Summative	Examination - closed book	Closed Book Examination	1 hour	40%	Yes

Legacy Code (if applicable)

EM-4098D

Reading List

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