**Sound Engineering**

Module Code: FAM7018-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>
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**Availability Periods**

<table>
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<tr>
<th>Occurrence</th>
<th>Location/Period</th>
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<tr>
<td>BDA</td>
<td>University of Bradford / Semester 1 (Sep - Jan)</td>
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**Module Aims**

This module will provide students with a broad understanding of the function of sound in outside broadcasting, the variety of different options for capturing and transmitting sound for different purposes and under different conditions. It will use industry standards and formats and learners will become adept in the use of a wide variety of different sound equipment.

**Outline Syllabus**

Venue acoustics, broadcast audio formats, noise regulations, loudness standards, microphone and cable types, audio desk controls and signal processing
The characteristics of different types of venues.
Setting up effects, music, discussion microphones and other equipment
Setup and test RF systems

Key Texts:

Module Learning Outcomes

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

1. Apply RF theory to determine the appropriateness of equipment and guard against causes of signal loss
   Evaluate the benefits of a variety of audio equipment and systems to select the most appropriate equipment for the capture, broadcast or recording of sounds to meet the needs of clients and the venue.
   Synthesise a systematic knowledge of industry standards in sound recording and management

2. Diagnose problems in the signal chain and identify solutions to rectify sound problems
   Prepare and operate a wide range of microphones and associated equipment and configure radio systems to accommodate the needs of clients across a range of venues
   Monitor audio signals across different ranges to detect sound-quality deviations or malfunctions

3. 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 residencies, online learning through the VLE, supported work-based learning and directed study. Practical skills such as the optimal or creative use of sound equipment, their application and limitations will be developed through a structured work-based learning supported by your workplace 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 the selection and use of sound equipment to achieve specific ends, diagnosing and rectifying faults and explaining the reasons for actions. 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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<tbody>
<tr>
<td>Summative</td>
<td>Examination - practical/lab</td>
<td>Practical simulation - assessed practical scenario activity</td>
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<tr>
<td>Summative</td>
<td>Coursework</td>
<td>Online exercises and written reflection</td>
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**Legacy Code (if applicable)**

EM-4094D

**Reading List**

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