

## Stage 2

<b>Module</b>	Sound for Performance
<b>Course code</b>	BAMPH-SP
<b>Credits</b>	5
<b>Allocation of marks</b>	100% Continuous Assessment

### **Intended Module Learning Outcomes**

On successful completion of this module the learner will be able to:

- i. Identify and communicate the necessary knowledge needed to operate basic live sound equipment.
- ii. Correctly set up a sound system demonstrating knowledge of health and safety procedures.
- iii. Work effectively within a group environment demonstrating the organisational skills necessary to specify systems according to venue and performers requirements.
- iv. Understand the principles and differences of front of house and monitor mixing.
- v. Have the ability to find a fault in a sound system and to resolve it in a timely manner.

### **Module Objectives**

This module will explain the underlying principles of live sound and electro acoustics, while enabling learners to listen critically to signals processed through live sound systems.

Emphasis is on signal flow, acoustics, sound reinforcement setups and installation, including signal processing, microphone selections and placement. Learners will be introduced to the fundamentals of recording live sound and also to interaction systems for live performance.

### **Module Curriculum**

Equipment overview

- Front of house consoles
- Monitor consoles
- Multicores digital/analogue
- Microphones for live applications
- Crossovers, graphic equalizers
- Stage boxes, D.I. boxes
- Electrical supply

Sound system setup, tuning and optimization

- Speaker placement
- Phase
- Filter types
- Feedback control

Introduction to digital and analogy live consoles

- Digital A/D D/A conversion
- Console navigation
- Multi-purpose faders
- Saving and loading presets

### Managing the stage

- Stage setup
- Artist Liaison
- Effective time management
- Scheduling and sound checking

### Live multi track recording

- Configuring mobile recording systems
- Analogue and digital interconnectivity