

Common Course Outline

MUSC 145
Live Sound Reinforcement
3 Semester Hours

The Community College of Baltimore County

Description:

Live Sound Reinforcement provides instruction in the operation of sound reinforcement equipment and techniques for providing appropriate sound reinforcement in a variety of scenarios.

Prerequisites: MUSC 140 – Introduction to Audio Technology

Overall Course Objectives:

Upon successful completion of this course the student will:

1. Demonstrate conceptual and working knowledge of the basic principles of the behavior of sound in various environments through classroom discussion, written assignments, and audio laboratory exercises, and use appropriate technical and musical terminology in articulating these concepts;
2. Proficiently set up and operate a variety of live sound reinforcement equipment, including but not limited to: microphones and other transducers, amplifiers and preamplifiers, effects processors, stage monitoring systems, main speaker systems and mixing boards, in a variety of scenarios ranging from lectures in small rooms to large outdoor music festivals;
3. Maintain and keep in good working order a variety of live sound reinforcement equipment; and
4. Manage all aspects of a live sound reinforcement event, including booking, staffing, load-in/out, set-up, rigging, sound check, running, and troubleshooting.

Major Topics:

These topics will be covered in the following general order:

1. Live sound theory and applications—indoors and outdoors
2. Sound reinforcement equipment
3. Signal flow in the live sound rig
4. Designing live sound reinforcement systems for a variety of events
5. Electrical considerations – safe and legal
6. Troubleshooting, repair, and maintenance of equipment
7. Microphone (and other transducer), amplifier, mixer, effects processor, speaker, and monitor setups and applications
8. Remote/live recording
9. Sound crew tasks and responsibilities

10. Business strategies—accounting, equipment repair/replacement, insurance, marketing, client and employee relations
11. Collaborating with promoters, performers, rigging and lighting companies

Course Requirements:

The Community College of Baltimore County is committed to providing a high-quality learning experience that results in growth in knowledge, attitudes, and skills necessary to function successfully as a transfer student, in a career and as a citizen. To accomplish this goal, we maintain high academic standards and expect students to accept responsibility for their individual growth by attending classes, completing all homework and other assignments, participating in class activities and preparing for tests.

Assessment is based on:

1. Class attendance
2. Participation in classroom activities and discussions
3. Completion of classroom and homework assignments and tasks
4. Written evaluations
5. Management of live sound project or event

Other Course Information:

This course is required for the 30-credit certificate in Music Production and Audio Recording Technology

We take seriously our responsibility to maintain high-quality programs and will periodically ask you to participate in assessment activities to determine whether our students are attaining the knowledge, attitudes and skills appropriate to various courses and programs. The assessment activities may take many different forms such as surveys, standardized or faculty-developed tests, discussion groups or portfolio evaluations. We ask that you take these activities seriously so that we can obtain valid data to use for the continuous improvement of CCBC's courses and programs.