Common Course Outline
MUSC 145
Live Sound Reinforcement
3 Credits

Community College of Baltimore County

Description

MUSC 145 – Live Sound Reinforcement provides instruction in the operation of sound reinforcement equipment and techniques for providing appropriate sound reinforcement in a variety of scenarios.

3 Credits

Co-requisite: MUSC 140 – Introduction to Audio Technology

Overall Course Objectives

Upon completion of this course students will be able to:
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;
2. use appropriate technical and musical terminology in articulating the basic principles of the behavior of sound in various environments;
3. set up and operate proficiently 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;
4. maintain and keep in good working order a variety of live sound reinforcement equipment; and
5. 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
  I. Live sound theory and applications for both indoors and outdoors
 II. Sound reinforcement equipment
III. Signal flow in the live sound rig
 IV. Designing live sound reinforcement systems for a variety of events
  V. Electrical considerations for safety and legal specifications
 VI. Troubleshooting, repair, and maintenance of equipment
VII. Set-ups and applications for microphones and other transducers, amplifiers, mixers, effects processors, speakers, and monitors

VIII. Remote and live recording
  IX. Sound crew tasks and responsibilities
   X. Business strategies, including accounting, equipment repair and replacement, insurance, marketing, and client and employee relations
  XI. Collaboration with promoters, performers, and rigging and light companies

Course Requirements

Grading procedures will be determined by the individual faculty member but will include the following:
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 a live sound project or event

Grading/exams
A minimum of three quizzes, one test, and one project will be included in this course.

Written Assignments: Students are required to use appropriate academic resources.

Other Course Information
This course is required for the Music Production and Audio Recording Technology Certificate.

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