

**Bergen Community College**  
Division of Humanities  
Performing Arts Department

**Course Syllabus**

**MUS- 265 Live Event Audio Production**

Semester and year:  
Course and Section Number: Live Event Audio Production  
Meeting Times and Locations:  
Instructor:  
Office Location: n/a  
Phone:  
Departmental Secretary:  
Office Hours:  
Email Address:

**Course Description:**

This course explores the technology and techniques integral to producing live event sound in a variety of venues, with a focus on concert and theater sound. Students will participate in all facets of live audio production including set up and operation of sound systems, analog and digital console operation, signal flow, sound design, signal processing, mixing, digital audio networking, multitrack recording techniques and integration with live broadcasts and video capture.

Lecture [2.00], Laboratory [2.00].

3 credits

Prerequisite: Music Production Technology (MUS-151) or Stagecraft & Lighting (THR-131)

**Student Learning Objectives and Assessment:**

At the completion of the semester, students will be able to:

1. Demonstrate how to apply the fundamentals of sound propagation and acoustics for sound reinforcement in a variety of live event environments.	Assignments, Group Projects, and Performance Evaluations
2. Design and setup sound systems for a variety of venues and applications.	Assignments, Group Projects, and Class Presentations
3. Employ the necessary skills for front of house (FOH) and monitor mixing, live multitrack recording, and video capture and synchronization to various visual media for live events.	Assignments, Group Projects, and Class Presentations
4. Demonstrate the ability to program and operate software for designing and playing back sound, video, lighting, and show control cues for theater and specialty venues.	Assignments, Group Projects, and Class Presentations
5. Analyze and explain different employment opportunities in the live event production field.	Assignments and Class Presentations

**Required Textbooks:**

David, Gary and Ralph Jones *Sound Reinforcement Handbook*, for Yamaha, Second Edition.  
Hal Leonard Publishing, ISBN: 0-88188-900-8

**Course Requirements:**

Students are expected to assist with college-sponsored activities, outside of class time. Students will be assigned a variety of tasks for each event and the successful promotion of the events is the responsibility of each student in the class. Failure to adjust your schedule accordingly will result in a lower grade for the course.

**Evaluation:**

Attendance/Participation: 25%

Coursework and Assignment Evaluations: 25%

Midterm and Final Evaluations: 25%

Professional Attitude and Group Project Conduct: 25%

Assignment details and any grading rubrics will be posted on the Canvas site.

90-100 = A 86-89 = B+ 80-85 = B 76-79 = C+ 70 - 75 = C 65-69 = D

E =Unofficial Withdrawal W =Official Withdrawal INC=Incomplete 0-64 = F

Any work turned in late from the original due date shall be deducted by one letter grade. Two letter grades shall be deducted after the second week from the due date, and three letter grades after the third week from the original due date. There are no make-up examinations unless approved in advance by the instructor.

**Bergen Community College Academic Policies:**

Bergen Community College is committed to academic integrity – the honest, fair and continuing pursuit of knowledge, free from fraud or deception. Please review the college catalogue or student handbook for further information on this topic. Bergen Community College has adopted an internal grievance procedure to provide for prompt and equitable resolution of complaints alleging any action prohibited by federal regulation implementing Section 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act of 1990. (ADA). Please review the college catalogue for further information on this topic.

Bergen Community College is committed to providing its students and employees with an academic and work environment free from sexual harassment or discrimination. Please review the policy prohibiting sexual harassment in the college catalog. Please review the statement on acceptable use of BCC technology in the college catalog. Faculty hold 3 office hours per week, and as requested by students, by appointment. Students are encouraged to seek out their faculty member for academic needs.

**BCC Attendance Policy**

All students are expected to attend punctually every scheduled meeting of each course in which they are registered. Attendance and lateness policies and sanctions are to be determined by the instructor for each section of each course. These will be established in writing on the individual course outline. Attendance will be kept by the instructor for administrative and counseling purposes.

**Attendance Policy in this Course**

[To be designated by the instructor]

**Other College, Divisional, and/or Departmental Policy Statements [optional but recommended]**

Examples:

Statement on plagiarism and/or academic dishonesty. ADA statement.

Sexual Harassment statement.

Statement on acceptable use of BCC technology.

Statement on the purpose and value of faculty office hours.

**Statement on Accommodations for Disabilities**

Bergen Community College aims to create inclusive learning environments where all students have maximum opportunities for success. Any student who feels he or she may need an accommodation based on the impact of a disability should contact the Office of Specialized Services at 201-612-5269 or via email at [ossinfo@bergen.edu](mailto:ossinfo@bergen.edu) for assistance.

**Student and Faculty Support Services [optional but recommended]**

List support services, e.g., the Writing Center, the Math Lab, the Tutorial Center, Online Writing Lab (OWL), Office of Specialized Services, etc. Include information on the BCC Library.

**Student and Faculty Support Services**

The Distance Learning Office – for any problems you may have accessing your online courses	Room C-334	201-612-5581 <a href="mailto:psimms@bergen.edu">psimms@bergen.edu</a>
English Language Resource Center	On Line at:	<a href="http://www.bergen.edu/elrc">http://www.bergen.edu/elrc</a>
The Tutoring Center	Room L-125	201-447-7908 <a href="http://www.bergen.edu/tutoring">http://www.bergen.edu/tutoring</a>
The Writing Center	Room L-125	201-447-7908 <a href="http://www.bergen.edu/owl">http://www.bergen.edu/owl</a>
The Office of Specialized Services (for Students with Disabilities)	Room L-116	201-612-5270 <a href="http://www.bergen.edu/oss">http://www.bergen.edu/oss</a>
BCC Library – Reference Desk	Room L-226	201-447-7436

**Special Note on the Tutoring Center**

**The Henry and Edith Cerullo Learning Assistance Center** encompasses the Tutoring Center, the English Language Resource Center, and the Writing Center. The website of the Learning Assistance Center is located at [www.bergen.edu/elrc](http://www.bergen.edu/elrc). Tutoring services are available for this course in the Tutoring Center. As listed above, the Tutoring Center is located in Room L-125, and

its phone number is 201-447-7908.

Include a Course Outline and Calendar [can be combined in a single syllabus section]

The Course Outline and Calendar must include all of the following elements:

- A *daily or (at least) weekly schedule of topics* to be covered.
- Dates for *exams, quizzes, or other means of assessment*. (This does not mean that all evaluation of students must be in groups and at the same time. Exams and other means

- of assessment can be listed as "to be scheduled individually.")
- *Due dates for major assignments* – e.g., when is a paper due; if the topic has to be approved, when; if an outline or draft is an interim step, when it is due.
  - Any *required special events* must be included in the outline/calendar, e.g., a lecture by a visiting speaker, a dramatic or musical performance, a field trip.
  - Designation of Student Learning Objectives – by number – for each topic (see sample below).
  - A note to students stating that the course outline and calendar is tentative and subject to change, depending upon the progress of the class.

### Sample Format for Course Outline and Calendar

**Note to Students:** The following Course Outline and Calendar is tentative and subject to change, depending upon the progress of the class.

Week(s)	Date(s)	Topics & Assignments	Learning Objectives
1		<b>Fundamentals Of Sound Propagation</b>	1
2		<b>Acoustics</b> Concepts affecting the acoustics in a room/space	1
3		<b>Live Sound Reinforcement: Overview</b> Sound system power; including power amplifiers, cables, and speaker selection	2
4		<b>Live Sound Reinforcement: Electrical Components</b> Learn different input & output connection types of wired and wireless system components	2
5		<b>Live Sound Reinforcement: Microphones and Inputs</b> Setup and connect a backline 1; miking electric & acoustic guitars, connecting bass	2
6		<b>Live Sound Reinforcement: Microphones and Inputs</b> Setup and connect a backline 2; miking acoustic piano, keyboards	2
7		<b>Live Sound Reinforcement: Drums</b> Setup and connect a backline 3; miking drums & percussion	2
8		<b>Live Sound Reinforcement: Orchestral Instruments</b> Setup and connect a backline 4; miking horns & a horn section, woodwinds, strings; the orchestra	2
9		<b>Signal Flow</b> Specify proper signal flow for digital and analog signals paths	2
10		<b>Sound System Design</b> Design sound systems for different kinds of venues and applications, including independent artists	2
11		<b>Front of House Mixing</b> Basic FOH mixing console operation	3
12		<b>Monitors</b> Basic monitor mix console operation	3

13		<b>Software Applications for Live Event Production</b> Programming Qlab software for theater and specialty venues (such as theme parks and other public spaces)	4
14		<b>Visual Media Production for Live Events</b> Select appropriate product output mix format for performance and synchronization to various visual media options	4
15		<b>Careers in Live Audio Production</b> Explore different employment options and opportunities in the sound & audio field	5