

Syllabus for
MUS 160 - Live Sound I
3 Credit Hours
Spring 2016

I. COURSE DESCRIPTION

A study of the basics of Live Audio, including the fundamental skills necessary to work, in the live event industry. Lectures are supported by practical hands-on application.
Prerequisites: MUS 105 or equivalent.
Instrument Use Fee: \$55

II. COURSE GOALS

Student goals include demonstration of understanding of the basics of sound reinforcement for live events and demonstration of the ability to operate the basic controls of a sound system.

III. STUDENT LEARNING OUTCOMES FOR THIS COURSE

Terminal Objectives

As a result of successfully completing this course, the student will be able to do the following:

- A. Discuss how the various components and equipment are used in live sound production.
- B. Define fundamental terminology and concepts.
- C. Discuss and explain fundamentals of proper sound reinforcement.
- D. Demonstrate the successful management of a live sound system.

IV. TEXTBOOKS AND OTHER LEARNING RESOURCES

A. Required Materials

Textbooks

Evans, B (2011). *Live Sound Fundamentals*. Boston, MA: Course Technology.
ISBN 978-1435454941.

B. Optional Materials

1. Textbooks
2. Other

V. POLICIES AND PROCEDURES

A. University Policies and Procedures

1. Attendance at each class or laboratory is mandatory at Oral Roberts University. Excessive absences can reduce a student's grade or deny credit for the course.
2. Students taking a late exam because of an unauthorized absence are charged a late exam fee.
3. Students and faculty at Oral Roberts University must adhere to all laws addressing the ethical use of others' materials, whether it is in the form of print, electronic, video, multimedia, or computer software. Plagiarism and other forms of cheating involve both lying and stealing and are violations of ORU's Honor Code: "I will not cheat or plagiarize; I will do my own academic work and will not inappropriately collaborate with other students on assignments." Plagiarism is usually defined as copying someone else's ideas, words, or sentence structure and submitting them as one's own. Other forms of academic dishonesty include (but are not limited to) the following:
 - a. Submitting another's work as one's own or colluding with someone else and submitting that work as though it were his or hers;
 - b. Failing to meet group assignment or project requirements while claiming to have done so;
 - c. Failing to cite sources used in a paper;
 - d. Creating results for experiments, observations, interviews, or projects that were not done;
 - e. Receiving or giving unauthorized help on assignments.By submitting an assignment in any form, the student gives permission for the assignment to be checked for plagiarism, either by submitting the work for electronic verification or by other means. Penalties for any of the above infractions may result in disciplinary action including failing the assignment or failing the course or expulsion from the University, as determined by department and University guidelines.
4. Final exams cannot be given before their scheduled times. Students need to check the final exam schedule before planning return flights or other events at the end of the semester.
5. Students are to be in compliance with University, school, and departmental policies regarding the Whole Person Assessment requirements. Students should consult the Whole Person Assessment handbooks for requirements regarding general education and the students' majors.
 - a. The penalty for not submitting electronically or for incorrectly submitting an artifact is a zero for that assignment.
 - b. By submitting an assignment, the student gives permission for the assignment to be assessed electronically.

B. School and/or Department Policies and Procedures – See Music Department Student Handbook

- C. Course Policies and Procedures
 - 1. Evaluation Procedures
 - a. Exams 25%
 - b. Projects 25%
 - c. Homework 25%
 - d. Quizes 15%
 - e. Guest lectures, demonstrations participation 10%
 - 2. Whole Person Assessment Requirements
There are no WPA requirements for this course.

VI. COURSE CALENDAR

- Week 1 Introduction. What is Sound? Basic Terminology and Decibels.
- Week 2 Signal Flow, Microphones, Transducers, Pick up patterns
- Week 3 Cables and Connectors, Cable Management
- Week 4 Consoles, Channel Strips, Gain Structure, Aux Sends
- Week 5 Limited hands-on application. Live observation via on-campus or off-campus field trip.
- Week 6 Active Speakers, Passive Speakers, Amplifiers
- Week 7 Effects, Compressors, Gates, Signal Processing, Crossovers
- Week 8 Wireless Microphones
- Week 9 Review, preparing for Midterm Exam.
- Week 10 Midterm Exam
- Week 11 Job Duties and Positions of Various Audio Personnel
- Week 12 Input Lists, Stage Plots, Backline
- Week 13 Hands-on Application, Console Setup
- Week 14. Live observation via on-campus or off-campus field trip.
- Week 15. Review and preparation for Final Exam.
- Week 16. Final Exam.

Course Inventory for ORU's Student Learning Outcomes

Live Sound I – MUS 160 Spring 2016

This course contributes to the ORU student learning outcomes as indicated below:

Significant Contribution – Addresses the outcome directly and includes targeted assessment.

Moderate Contribution – Addresses the outcome directly or indirectly and includes some assessment.

Minimal Contribution – Addresses the outcome indirectly and includes little or no assessment.

No Contribution – Does not address the outcome.

The Student Learning Glossary at <http://ir.oru.edu/doc/glossary.pdf> defines each outcome and each of the proficiencies/capacities.

OUTCOMES & Proficiencies/Capacities		Significant Contribution	Moderate Contribution	Minimal Contribution	No Contribution
1	Outcome #1 – Spiritually Alive Proficiencies/Capacities				
1A	Biblical knowledge				X
1B	Sensitivity to the Holy Spirit				X
1C	Evangelistic capability		X		
1D	Ethical behavior	X			
2	Outcome #2 – Intellectually Alert Proficiencies/Capacities				
2A	Critical thinking	X			
2B	Information literacy	X			
2C	Global & historical perspectives		X		
2D	Aesthetic appreciation	X			
2E	Intellectual creativity	X			
3	Outcome #3 – Physically Disciplined Proficiencies/Capacities				
3A	Healthy lifestyle				X
3B	Physically disciplined lifestyle				X
4	Outcome #4 – Socially Adept Proficiencies/Capacities				
4A	Communication skills	X			
4B	Interpersonal skills	X			
4C	Appreciation of cultural & linguistic differences				X
4D	Responsible citizenship	X			
4E	Leadership capacity	X			