



MUSC 4450

Division: Fine Arts

Department: Music

Course: MUSC 4450

Title: Audio Recording Techniques I

Catalog Description:

This course is the first of a two course sequence. Students will learn the techniques associated with modern audio recording, particularly as they relate to the project studio. This course is required for students in the B. Music program - Music Production emphasis.

General Education Requirements: N/A

Semesters Offered: TBA

Credit/Time Requirement: Credit: 3; Lecture: 2; Lab: 2

Clock/Hour Requirements: 0

Offered for Non-Credit: No

Prerequisites: MUSC 4440 or permission of instructor

Justification:

In order to be prepared for the workplace, students graduating with a bachelor's degree with an emphasis in music production need as much hands-on time as possible with the hardware and software platforms found in the modern project studio. This course provides that experience in a lecture/lab format held in a studio setting.

Student Learning Outcomes:

Upon completion of this course, students will possess a minimum of two complete projects to add to their pre-professional portfolio. In addition, they will be able to:

- demonstrate an understanding of the project studio, including design, budget, soundproofing and methods used to control the acoustics of the recording and listening environment;
- demonstrate the ability to operate hardware and software platforms typically found in a project studio;
- demonstrate the ability to operate audio interfaces typically found in a project studio;
- demonstrate a thorough knowledge of synchronization;
- demonstrate a thorough knowledge of MIDI and its uses as a pre-production tool;
- demonstrate a knowledge of microphone usage, placement, care and handling;
- demonstrate an understanding of commonly used effects and their placement in the recording chain;
- demonstrate the ability to use sample libraries and record acoustic instruments.

Content:

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- The project studio
- Soundproofing options
- Computer hardware and interfaces
- USB/Firewire/PCI/Thunderbolt
- Synchronization
- Monitor speakers: nearfield
- Common software platforms
- MIDI as a pre-production tool
- Sample libraries
- Microphone types and techniques
- Acoustic recording
- Effects: types and uses
- Workflow
- Project types
- The next steps: mixing, mastering, preparing to move to another studio, music as part of a larger project.

General Education Outcomes:

Applied Education Outcomes:

1) Students will acquire entry-level skills specific to and appropriate for employment in their chosen field of study.

The skills learned in this course will prepare students to operate a project studio and complete projects typical of that type of facility. Students work will be assessed throughout the semester by the instructor who will provide both verbal and written feedback.

Key Performance Indicators:

Students in this course will be assessed using the following measures:

- Participation: Attendance at class sessions;
- Written: Studio design, budget and soundproofing plan;
- Exam: Written and hands-on midterm;
- Exam: Written and hands-on final;
- Presentation: Midterm recording project;
- Presentation: Final recording project.

Representative Text and/or Supplies:

Huber, David Miles. Modern Recording Techniques. Current edition.

Optimum Class Size: 12

Maximum Class Size: 16

Signatures:

I hereby submit this course syllabus:

Steve Meredith, DMA, Associate Professor

I hereby find this course consistent with the goals and resources of the Music Department:

Steve Meredith, DMA, Associate Professor, Chair

I hereby find this course consistent with the goals and resources of the Fine Arts Division:

Vance Larsen, MM, Associate Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

Michelle Olsen, MLS, Campus Librarian (Richfield Campus)