

Course Syllabus

MUSC 2402 (4:3:4)

Sound Systems Tech

Live Sound/Sound Reinforcement Certificate

Sound Technology Program

Technical Education Division

Levelland Campus

South Plains College

Creative Arts Department - South Plains College - Levelland Campus

Course Syllabus

Course Title: *MUSC 2402 Sound Systems Tech (4:3:4)*

Instructor: *Jeremiah Denning*

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Office Hours: *As posted on instructor's door*

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I. General Course Information:

- A. Description: Technical and non-technical skills necessary to perform duties of a sound systems technician. Includes business and customer relationships, advanced signal flow, system packaging, system integration, system protection/maintenance, electrical distribution for audio systems, and rigging from a sound systems technician's perspective.
- B. Course Learning Outcomes: Identify non-technical roles regarding a sound systems technician; demonstrate planning, set-up, and striking a sound system; demonstrate troubleshooting techniques for solving common performance-related problems; and discuss safety and liability issues.
- C. Course Competencies: Proper system packaging and system maintenance. Advanced component integration. Advanced understanding of audio system components and their specifications.
- D. Academic Integrity: It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present as his or her own work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension. Students should refer to the SPC General Catalog, pg.22-23, regarding consequences for cheating and plagiarism (see "Academic Integrity" as well as "Student Conduct" sections).
- E. SCANS: This course is designed to meet the following SCANS and Foundation skills criteria: C1, C3, C4, C6, C9, C11, C13, C15, C17, C18, C19, C20, F5, F6, F7, F9, F11, F15, and F16. A complete list of SCANS Competencies and Foundation Skills are located on the last page of the syllabus.
- F. Verification: This course is a building block for the student to move towards and complete a capstone experience.

II. **Specific Course/Instructor Requirements:**

- A. Textbook and Other Materials: Handouts and other resources provided by instructor as needed. One 4GB Flash Drive.
- B. Attendance Policy: Punctual and regular attendance is required of all students. Missing four consecutive classes or having a total of five absences *may* result in an instructor-initiated withdrawal. Students are responsible for all missed material. If a student is absent on a day that a test is given (testing of competencies included), **he or she will not be allowed to make up the test unless arrangements are made prior to the test day.** Any student not present at roll taking will be counted absent unless prior arrangements have been made.
- C. Assignment Policy: Projects and reading assignments will be announced at least one class meeting prior to responsibility for material.
- D. Grading Policy/Procedure: The student's final grade will be made up of a weighted average of at least one written test (20%), daily quiz average (10%), lab assignments (20%) and course competencies (50%). A list of the required course competencies will be attached to this syllabus. Each competency is worth 10 points; however a student must achieve at least 7 out of the 10 points in every competency to complete the competency requirement. Non completion of the competencies equals a 0% for the competency portion of the student's grade. Grading format: A= 90-100%, B= 80-89%, C= 70-79%, D= 60-69%, F= 0-59%
- E. Special Requirements: MUSC 1405 is a prerequisite/co requisite. Students will be required to act as a System's Tech for arranged "shop time" and shows throughout the semester.

III. **Course Outline:**

Topic Outline:

Electricity and the Systems Tech
Microphones and the Systems Tech
Power amps and the Systems Tech
Loudspeakers and the Systems Tech
Consoles and the Systems Tech
Drive Rack and the Systems Tech
Rigging and the Systems Tech
System packaging and maintenance
Advanced Hands On

Instructor reserves the right to modify this at anytime.

IV. **Accommodations**

Diversity Statement In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Disability Statement Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Special Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Special Services Coordinator. For more information, call or visit the Special Services Office in the Student Services building, 894-9611 ext. 2529.

Understands difference between single & three phase electricity
Have a firm understanding of: voltage, current, resistance/impedance, and Ohms law
Identify & describe components of AC distribution for audio system
Verify and meter proper tie in
Build and repair AC cables
Understands industry standard snake systems
Understands fundamentals of wireless systems
Can list specifications for industry standard amplifiers
Matching power amps (power output and voltage gain)
Series/Parallel wiring
Build and repair industry standard speaker connectors
Can list specifications for industry standard loudspeakers
Can use industry standard array calculators
Can list specifications for industry standard consoles
Linking Consoles
Proper placement of audio system components
Communicate roles and responsibilities of a professional systems tech
Identify industry standard rigging equipment
Can tie Bowline, can make Basket, Choke, (H) Bridle
Tarp equipment
Truck pack
Capable of setting up, troubleshooting, and striking a 3 or 4 way audio system
22 Competencies