

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

Fall 2018/Spring 2019

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: Students are expected to attend all classes in order to be successful in a course. The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus.

When an unavoidable reason for class absence arises, such as illness, an official trip authorized by the college or an official activity, the instructor may permit the student to make up work missed. It is the student's responsibility to complete work missed within a reasonable period of time as determined by the instructor. Students are officially enrolled in all courses for which they pay tuition and fees at the time of registration. Should a student, for any reason, delay in reporting to a class after official enrollment, absences will be attributed to the student from the first class meeting.

Students who enroll in a course but have "Never Attended" by the official census date, as reported by the faculty member, will be administratively dropped by the Office of Admissions and Records. A student who does not meet the attendance requirements of a class as stated in the course syllabus and does not officially withdraw from that course by the official census date of the semester, may be administratively withdrawn from that course and receive a grade of "X" or "F" as determined by the instructor. Instructors are responsible for clearly stating their administrative drop policy in the course syllabus, and it is the student's responsibility to be aware of that policy.

It is the student's responsibility to verify administrative drops for excessive absences through MySPC using his or her student online account. If it is determined that a student is awarded financial aid for a class or classes in which the student never attended or participated, the financial aid award will be adjusted in accordance with the classes in which the student did attend/participate and the student will owe any balance resulting from the adjustment.

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, **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
Snake systems and the Systems Tech
Microphones and the Systems Tech
Wireless and the Systems Tech
Loudspeakers and the Systems Tech
Power amps and the Systems Tech
Consoles and the Systems Tech
Digital Audio and the Systems Tech
Drive Rack and the Systems Tech
Networking 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**

ADA 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 Disability 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 Disability Services Office. For more information, call or visit the Disability Services Office at Levelland Student Health & Wellness Center 806-716-2577, Reese Center (also covers ATC) Building 8: 806-716-4675, Plainview Center Main Office: 806-716-4302 or 806-296-9611, or the Health and Wellness main number at 806-716-2529.

1	Understands difference between single & three phase electricity
2	Have a firm understanding of: voltage, current, resistance/impedance, and Ohms law
3	Identify & describe components of AC distribution for audio system
4	Verify and meter proper tie in
5	Build and repair AC cables
6	Understands industry standard snake systems
7	Understands fundamentals of wireless systems
8	Understands basics of digital audio
9	Can list specifications for industry standard amplifiers
10	Matching power amps (power output and voltage gain)
11	Series/Parallel wiring
12	Build and repair industry standard speaker connectors
13	Can list specifications for industry standard loudspeakers
14	Can use industry standard array calculators
15	Understands fundamentals of basic networking
16	Can monitor and evaluate system performance
17	Proper placement of audio system components
18	Communicate roles and responsibilities of a professional systems tech
19	Identify industry standard rigging equipment
20	Can tie industry standard rigging knots
21	Tarp equipment
22	Truck pack
23	Capable of setting up, troubleshooting, and striking a 3 or 4 way audio system
	23 Competencies