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 2020/Spring 2021

Creative Arts Department - South Plains College - Levelland Campus

Course Syllabus

Course Title:	***MUSC 2402 Sound Systems Tech (4:3:4)***
Instructor:	***Jeremiah Denning***
Office:	***CB 141 - Telephone: (806) 716 2011 – Voice-mail configured.*** ***E-mail: jdenning@southplainscollege.edu***
Office Hours:	***As posted on instructor's door***

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I. ***General Course Information:***

MUSC 2402 Sound Systems Technician will be taught as a Flex course. We will be meeting face to face for lecture/lab time. This will be supplemented with several online learning tools including, lecture recordings, lecture notes, and video demonstrations.

  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, 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 expected of all students. Students are responsible for all missed material. If a student is absent on a day that an assignment/assessment is given, **the student will not be allowed to make up the assignment/assessment unless the absence is an excused absence.** Passwords for the assignment/assessments will not be given if the absence is unexcused. For an absence to qualify as excused the student must contact the instructor via email prior to the class meeting and provide their reason for not attending. Based on the reason given by the student, the instructor will determine if the absence qualifies as excused or unexcused. Any student not present at roll taking will be given an unexcused absence unless the student has provided prior notification.

C.   Assignment/Assessment Policy: Assignments/assessments will be announced during class. Students will be given a password to access the assignment/assessment via Blackboard. Due dates will be provided.

D.   Grading Policy/Procedure: The student's final grade will be made up of a weighted average of at least one written test (20%), 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*

SPC Standard Disability Statement: Any students who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make and necessary arrangements. Students must present appropriate verification from the SPC Disability Service Office during the instructor's office hours. Please note that instructors are not allowed to provide classroom accommodations until appropriate verification from the SPC Disability Service Office has been provided. For more information, you may contact the Disability Services Office (located in the Health & Wellness Center) at 806-716-2529 or visit http://www.southplainscollege.edu/health/disabilityservices.php.

Equal Opportunity, Harassment, and Non-Discrimination Statement: South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360. South Plains College is dedicated to providing a safe and equitable learning environment for all students. Discrimination, sexual assault, and harassment are not tolerated by the college. The Health and Wellness Center offers confidential support (806-716-2529) and Voice of Hope has a 24-hour hotline: 806-763-7273. You are encouraged to report any incidents online at http://www.southplainscollege.edu/ about/campussafety/complaints.php.

Pregnancy Accommodation Statement: If you are pregnant, or have given birth been within six months, under Title IX you have a right to reasonable accommodations to help continue your education. Students who wish to request accommodations must contact the Health and Wellness Center at 806-716-2529 to initiate the process.

Face Covering Policy

It is the policy of South Plains College for the Fall 2020 semester that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. Such behaviors specifically include the requirement that all students properly wear CDC-compliant face coverings while in SPC buildings including in classrooms, labs, hallways, and restrooms. Failure to comply with this policy may result in dismissal from the current class session. If the student refuses to leave the classroom or lab after being dismissed, the student may be referred to the Dean of Students on the Levelland campus or the Dean/Director of external centers for Student Code of Conduct Violation.

1	Understands difference between single & three phase electricity
2	Have a firm understanding of: voltage, current, resistance/ impendence, 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