

Course Syllabus

MUSC 1400 (4:3:4)

Sound System Design and Installation

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 1400 Sound System Design and Installation (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:**

MUSC 1400 Sound System Design and Installation 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: Design and installation of portable and permanent audio systems. Includes industry-standard design/modeling software and industry-standard control software. Also covers digital signal processing (DSP), systems networking, and multimedia component integration.
- B. Course Learning Outcomes: Design a professional sound reinforcement system; describe sound system installation techniques; document system design and installation; demonstrate system and room modeling techniques with industry-standard prediction software; and produce a budget and schedule.
- C. Course Competencies: Understanding of acoustical factors affecting loudspeaker systems in a system design. Ability to predict system performance with software applications. Ability to manage a system design and installation project. Evaluate a customer's needs.
- 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, C2, C3, C4, C6, C7, C8, C9, C11, C12, C13, C15, C17, C18, C19, C20, F1, F2, F3, F4, F6, F8, F9, F13, F15, F16, and F17. 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: Sound Systems: Design and Optimization 3rd Edition. 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: At least two written tests (20%), lab assignment (20%), a quiz average (10%), and a sound system design proposal and presentation (50%) will average to equal the final 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 responsible for arranged lab activities and field trips to observe examples of sound system installations.

III. **Course Outline:**

Topic Outline:

Loudspeakers and acoustical factors
Preparation for site visit
Site visit
Test
Sound system electronics
Prediction Software
Test
Wiring and Installation considerations
Project data management & Final Project
System design presentation (final test)

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 Spring 2021 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. Students who believe they have been exposed or may be COVID-19 positive, must contact Health Services, DeEtte Edens, BSN, RN at (806) 716-2376 or dedens@southplainscollege.edu.