

**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 2018/Spring 2019**

**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*

**Office:** *CB 141 - Telephone: (806) 716 2011 – Voice-mail configured.  
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**Office Hours:** *As posted on instructor's door*

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**I. General Course Information:**

- 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, 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, 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 2<sup>nd</sup> Edition. 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: At least two written tests (20%), lab assignment (20%), a daily 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***

##### 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.