Course Syllabus

MUSC 2453 (4:3:4)

Live Sound III

Live Sound/Sound Reinforcement Certificate

Sound Technology Program

Technical Education Division

Levelland Campus

South Plains College

Course Title: **MUSC 2453 Live Sound III (4:3:4)**

Instructor: **Matt Quick**

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

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I.   *General Course Information:*

     A.   Description: Advanced concepts of live sound engineering for front-of-house mix. Includes techniques required to build and maintain a live sound mix for an audience. Students will be responsible for mixing front-of-house for designated performances. MUSC 1405 is a prerequisite for this course.

     B.   End of Course Outcomes: Create and maintain a front-of-house mix; demonstrate routing and utilization of effects and dynamic processors; explain signal flow and interconnection of components; and troubleshoot front-of-house sound systems. Develop understanding and recognition of different musical genres, and common instruments.

     C.   Course Competencies: Upon completion of this course, each student will have demonstrated through comprehensive examinations, with a score of 70% or better, a competent understanding of: front of house signal flow, advanced console operations, advanced dynamic and effects processing, ear training and mixing techniques for live sound.

     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: 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 will provide the student with their capstone experience. The student must provide a professional level mix for one of the performances during the end of semester fest week.

II.   *Specific Course/Instructor Requirements:*

A.   Textbook and Other Materials: <u>Audio Production and Critical Listening</u>; by Jason Corey Handouts and other resources provided by instructor as needed. One 4GB USB 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 (10%), daily quiz average (10%), mixing assignments (20%), lab assignments (10%) 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 responsible for arranged lab activities and mixing front of house for designated shows including Thursday Nite Live, Alterna TV, Picking on the Plains, Country Jukebox, end of semester Fest Nights and others to be announced.

III.   *Course Outline:*

Topic Outline:
 Front of House system orientation
 Front of House console operation
 Basic mixing Techniques
 Dynamic Processing
 Effects Processing
 Test
 The Musical Engineer
 Mixing Hierarchies
 Ear Training
 Live Recording Considerations
 Mix Practice
 Mixing Tests/Final
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.

Course Competencies for MUSC 2453

1	Can turn on/off an audio system correctly
2	Understands the signal flow of a FOH audio system
3	Capable of inserting dynamic processing into console
4	Capable of connecting effects processing to the console
5	Understands input section of a large format console (pad, preamp, polarity reverse, phantom)
6	Understands equalizer section & HPF of a large format console
7	Understands aux sends including aux masters (pre & post fader)
8	Understands signal routing concepts including subgroups
9	Understands signal control concepts (vca group masters)
10	Understands signal control concepts (mute groups, scene recall)
11	Understands a console's matrix
12	Can bring an input into a mix safely & smoothly using appropriate gain structure
13	Can apply a compressor for dynamic range control
14	Can apply a noise gate for dynamic range control
15	Can edit/manipulate industry standard effects units
16	Identify variety of musical genres
17	Can create a mix that is appropriate for different genres of music
18	Can maintain control of a mix during a live performance
19	Identify variety of musical instruments and their frequency spectrum
20	Demonstrate understanding of micing techniques for common instruments
21	Demonstrate understanding of industry standard console management software
22	Communicate the roles and responsibilities of a professional FOH mix eng.
	22 competencies