

Syllabus for Audio V (2201-0005) 57970, Audio V (2457-0005) 58924
Fall Semester, 2010
Spring Branch (NW) Campus, PAC Room 419
Mon & Wed 6pm-7pm
Semester Credit Hours: 2 SCH, 1 Lecture, 1 Lab
Contact Hours: 80
Course Length: 16 weeks

Instructor: Dan Workman

President, SugarHill Recording Studios, Houston Texas
Board of Governors, Texas Chapter, The Recording Academy (NARAS)
National Producers & Engineers Committee, The Recording Academy
National Board of Trustees, The Recording Academy
[Partial Discography](#)

Office: 713 926 2544

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HCC Audio Dept. Phone: 713-718-5602

Course Objectives:

Examination of the role of the producer including recording, mixing, arranging, analyzing projects, session planning, communications, budgeting, business aspects, and music markets. Audio engineering using hard disk based systems such as Pro Tools. Introduction to SSL console. Critical Listening.

Supplies / Textbook Information

1. Mac/PC compatible firewire 400 hard drive. 7200 rpm
Working on the native drive of the computer in 419 is strongly discouraged
Dragging your projects on and off of the native drive is strongly discouraged

Lab Requirements:

This course includes 4 weekly lab hours in the SSL studio.

Course Requirements and Grading Policy

Your final grade will be based on the following proportions:

1. Quizzes - 20% (10% each for 2 Quizzes)
2. Midterm - 20%
3. Final - 20%
4. Semester Project (record and mix 6 songs) - 20%
5. Instructor evaluation based on class participation and attendance – 20%

Final grades are based on a ten point grading system. A=100-90, B=89-80, C=79-70, D=69-60, F=59-0.

Make-up policy

Make ups for exams and projects are at my discretion.

Attendance Policy & Class times:

Class starts promptly at 6pm. Leaving early without an excuse will affect your class participation grade! If you are going to miss class, be late or leave early, let me know before class by email (above).

Projects, Assignments, Portfolios, Service Learning, Internships, etc.

1. Final recording project—a minimum of four songs recorded and mixed.

Course Content

Upon successful completion of this course, you should be able to:

1. Identify and define terminology associated with the role of a producer of sound recording and production.
2. Compare and contrast methods for session planning.
4. Identify and define terminology associated with the budgeting and business aspects of recording and production of music.
5. Record, edit and mix using Pro Tools HD and the SSL console

TESTING:

Two **Quizzes**: covering lecture topics and practical skills: dates to be announced

Midterm Exam: covering lecture topics practical skills along with essay questions on individual research: dates to be announced

Project Presentation: Listen to and discuss semester Recording Projects in class.

Final Exam

Additional Resources:

<http://www.tapeop.com>

<http://www.gearslutz.com>

<http://prosoundweb.com>

Tape Op Magazine (free), subscribe: <http://www.tapeop.com>

Mix Magazine <http://www.mixonline.com>

EQ Magazine <http://www.eqmag.com>

Prosound News <http://www.prosoundnews.com>

Other Required Information:

Course Description: HCC Catalog Description	Application of the concepts and techniques presented in Audio Engineering I and II. (May be repeated three times for credit. Students are required to attend additional lab hours outside of class.)
Course Prerequisite(s)	Corequisite: MUSC 2448, 2457, or 2458. Prerequisite: MUSC 2447, RTVB 2232.
Academic Discipline/CTE Program Learning Outcomes	<ol style="list-style-type: none"> 1. Produce professional quality recording projects containing no appreciable harmonic or amplitude distortion. 2. Demonstrate proper adjustment and use of standard effects processing devices such as compressors, limiters, expanders, gates, equalizers, reverberation devices, and delay processors. 3. Describe the signal flow and operation of equipment commonly found in professional recording studios such as microphones, mixers, multitrack recorders, outboard effects processors, and patch bays. 4. Utilize effective troubleshooting skills to diagnose malfunctions in equipment commonly found in recording studios and perform basic maintenance such as equipment calibration and cable soldering. 5. Demonstrate competency in preparing MIDI sequences using industry standard hardware and software. 6. Develop professionally acceptable resumes, portfolios and interview techniques needed for employment within the audio recording industry.
Course Student Learning Outcomes (SLO): 4 to 7	<ol style="list-style-type: none"> 1. Identify and troubleshoot procedural and/or technical problems which may arise in the audio studio 2. Exhibit competency in working with audio consoles, recording machines, and processing devices.
Learning Objectives (Numbering system should be linked to SLO – e.g., 1.1, 1.2, 1.3, etc.)	<ol style="list-style-type: none"> 1.1 Describe the signal path of a mid sized digital console using a block diagram. 1.2 Describe the signal path and operation of devices used to trigger samples with audio sources. 1.3 Describe the signal path and operation of devices used to fly in parts of a recording. 1.4 Identify situations where it is common and/or useful to fly in parts of a recording. 1.5 Define terminology associated with non-linear recording, computerized mixing and 5.1 Surround Sound. 2.1 Demonstrate common production techniques utilizing non-linear recording, computerized mixing and 5.1 Surround Sound. 2.2 Demonstrate proper use of mixing automation to perform

HCC Policy Statement: ADA	HCC Policy Statement: ADA Services to Students with Disabilities Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc) who needs to arrange reasonable accommodations must contact the Disability Services Office at the respective college at the beginning of each semester. (At any HCC campus) Faculty are authorized to provide only the accommodations requested by the Disability Support Services Office. If you have any questions, please contact the Disability Counselor at your college or the District Disability Office at 713-718-5165.
Outcomes	<ol style="list-style-type: none">8. Demonstrate proper adjustment and use of standard effects processing devices such as compressors, limiters, expanders, gates, equalizers, reverberation devices, and delay processors.9. Describe the signal flow and operation of equipment commonly found in professional recording studios such as microphones, mixers, multitrack recorders, outboard effects processors, and patch bays.10. Utilize effective troubleshooting skills to diagnose malfunctions in equipment commonly found in recording studios and perform basic maintenance such as equipment calibration and cable soldering.11. Demonstrate competency in preparing MIDI sequences using industry standard hardware and software.12. Develop professionally acceptable resumes, portfolios and interview techniques needed for employment within the audio recording industry.

<p>HCC Policy Statement: Academic Honesty</p>	<p>HCC Policy Statement: Academic Honesty</p> <p>You are expected to be familiar with the College's Policy on Academic Honesty, found in the catalog and student handbook. Students are responsible for conducting themselves with honor and integrity in fulfilling course requirements. Penalties and/or disciplinary proceedings may be initiated by College System officials against a student accused of scholastic dishonesty. "Scholastic dishonesty": includes, but is not limited to, cheating on a test, plagiarism, and collusion.</p> <p>Cheating on a test includes:</p> <ul style="list-style-type: none"> • Copying from another students' test paper; • Using materials not authorized by the person giving the test; • Collaborating with another student during a test without authorization; • Knowingly using, buying, selling, stealing, transporting, or soliciting in whole or part the contents of a test that has not been administered; • Bribing another person to obtain a test that is to be administered. <p>Plagiarism means the appropriation of another's work and the unacknowledged incorporation of that work in one's own written work offered for credit.</p> <p>Collusion mean the unauthorized collaboration with another person in preparing written work offered for credit. Possible punishments for academic dishonesty may include a grade of 0 or F in the particular assignment, failure in the course, and/or recommendation for probation or dismissal from the College System. (See the Student Handbook).</p>
<p>HCC Policy Statement: Student attendance, 3-peaters, withdrawal deadline</p>	<p><u>Attendance:</u> Students are expected to attend all classes and labs regularly. Students are responsible for [any and all] materials covered during their absences, and it is the student's responsibility to consult with the professors for make-up assignments. A student may be dropped from a course for excessive absences in excess of 12.5% of the hours of instruction. For example: For a three-credit hour lecture, a student may be dropped after six hours of absence. HCCS professors cannot assign a "W" for any student after the official withdrawal date.</p> <p>"Administrative withdrawals are the discretion of the professor. If you are doing poorly in the class, but you have not contacted your professor to ask for help, and you have not withdrawn by the official withdrawal date, it will result in you receiving a grade of "F" in the course.</p> <p><u>Course Withdrawals-First Time Freshmen Students-Fall 2007 and Later:</u> Under Section 51.907 of the Texas Education Code "an institution of higher education may not permit a student to drop more than six courses, including any course a transfer student has dropped at another institution of higher education."</p> <p>Beginning in fall 2007, the Texas Legislature passed a law limiting first time entering freshmen to no more than SIX total course withdrawals throughout their educational career in obtaining a certificate and/or degree.</p> <p><u>Course Withdrawals:</u> Be sure you understand HCC policies about dropping a course. It is the student's responsibility to withdraw officially from a course and prevent an "F" from appearing on the transcript. If you feel that you cannot complete this course, you will need to withdraw from the course prior to the final date of withdrawal. Before, you withdraw from your course; please take the time to meet with the instructor to discuss why you feel it is necessary to do so. The instructor may be able to provide you with suggestions that would enable you to complete the course. Your success is very important.</p> <p>If you plan on withdrawing from your class, you MUST contact a HCC counselor or your professor prior to withdrawing (dropping) the class for approval and this</p>

must be done **PRIOR** to the withdrawal deadline to receive a “W” on your transcript. **Final withdrawal deadlines vary each semester and/or depending on class length, please visit the online registration calendars, HCC schedule of classes and catalog, any HCC Registration Office, or any HCC counselor to determine class withdrawal deadlines. ***Remember to allow a 24-hour response time when communicating via email and/or telephone with a professor and/or counselor. Do not submit a request to discuss withdrawal options less than a day before the deadline.*** If you do not withdraw before the deadline, you will receive the grade that you are making in the class as your final grade.

Early Alert Program: To help students avoid having to drop/withdraw from any class, HCC has instituted an Early Alert process by which your professor *may* “alert” you and HCC counselors that you might fail a class because of excessive absences and/or poor academic performance. It is your responsibility to visit with your professor or a counselor to learn about what, if any, HCC interventions might be available to assist you – online tutoring, child care, financial aid, job placement, etc. – to stay in class and improve your academic performance.

Repeat Course Fee: The State of Texas encourages students to complete college without having to repeat failed classes. To increase student success, students who repeat the same course more than twice, are required to pay extra tuition. The purpose of this extra tuition fee is to encourage students to pass their courses and to graduate. Effective fall 2006, HCC will charge a higher tuition rate to students registering the third or subsequent time for a course. If you are considering course withdrawal because you are not earning passing grades, confer with your instructor/counselor as early as possible about your study habits, reading and writing homework, test taking skills, attendance, course participation, and opportunities for tutoring or other assistance that might be available.