

**MUSC 1327 AUDIO ENGINEERING I
SEMESTER AND SEMESTER YEAR (IE: SPRING 2012)
MEETING DAY AND MEETING TIME, SECTION, SYNONYM**

INSTRUCTOR:

office:
phones:
e-mail:
web:

office hours:

TEXTBOOK:

Audio Engineering 101, A Beginner's Guide to Music Production - Timothy A Dittmar

COURSE FORMAT:

Each class will consist of two sessions - separated by a 15-minute break. The first session will consist of an interactive lecture on the scheduled topic (see Course Schedule). Following the break, the class will enter the studio for hands-on demonstrations of the skills and techniques discussed. Supplemental field trips, special projects, and guest lecturers *may* be included in the curriculum.

COURSE OBJECTIVE:

Students will master the fundamentals of sound, acoustics, and electronics with emphasis on developing the basic knowledge and skills to produce professional grade audio recordings.

COURSE DESCRIPTION:

Overview of the recording studio. Includes basic studio electronics and acoustic principles, waveform properties, microphone concepts and placement techniques, studio set up and signal flow, console theory, signal processing concepts, multi-track principles and operation, and an overview of mixing and editing.

COURSE LEARNING OUTCOMES:

Identify acoustic and electronic concepts; describe waveform properties; explain microphone characteristics and placement; describe studio set-up and signal routing; explain console and recording operation techniques; and identify basic recording studio procedures.

COMMERCIAL MUSIC MANAGEMENT PROGRAM LEARNING OUTCOMES:

- Acquire insight, skills and expertise in music business, technology and performance.
- Identify and prepare for jobs in these fields.

STUDENT EVALUATION/ GRADING POLICIES:

STUDENT REQUIREMENTS:

- Maintain an official ACC Student email account. All email communication from ACC and this class will be sent to that address. You will find more information about ACC Student email at... <http://www.austincc.edu/accmail/>
- Attend class regularly
- Participate in class discussion & activities
- Completion of work as assigned

COURSE OUTLINE OR CALENDAR (tentative)

Week 1 Introduction, Seven important characteristics of sound

Week 2 How to listen.

Week 3 EQ points of Interest

Week 4 People skills and the history of audio. Tom Dowd Video

Week 5 EQ lab

Week 6 Microphones

Week 7 Microphone placement/ The Mixing console/Signal Flow

Week 8 Studio Session Procedures

Week 9 Recording Lab

Week 10 Midterm Exam/Stereo miking

Week 11 Signal Processing

Week 12 Acoustics/Analog and Digital Audio

Week 13 Cables, connectors and more on Signal Flow

Week 14 Mixing Lab

Week 15 Listen to projects

Week 16 Jobs and FAQs

POLICIES:

-- MOST OF THESE ARE GEOFFREY'S POLICIES WRITTEN IN GEOFFREY'S WORDS. YOU MAY WISH TO ALTER OR OMIT THE ONES MARKED *OPTIIONAL*.

- Makeup exams may be given if arrangements are made prior to the exam date. In case of illness or other emergency, contact your instructor via email.
- *OPTIIONAL* All written assignments must be completed in electronic form, saved in PDF format and e-mailed to the instructor. No hard copies will be accepted unless otherwise instructed.
- *OPTIIONAL* Students will not receive full credit for assignments turned in late.
- Failure to attend class regularly will result in a lower grade.
- If you do not attend class the entire semester you will receive a failing grade.
- Withdrawal from this class is the responsibility of the student. The instructor does, however, reserve the right to drop a student should he or she feel it is necessary. If a student decides to withdraw, he or she should also verify that the withdrawal is submitted before the Final Withdrawal Date. The student is also strongly encouraged to retain their copy of the withdrawal form for their records.

Students who enroll for the third or subsequent time in a course taken since Fall, 2002, may be charged a higher tuition rate, for that course.

State law permits students to withdraw from no more than six courses during their entire undergraduate career at Texas public colleges or universities. With certain exceptions, all course withdrawals automatically count towards this limit. Details regarding this policy can be found in the ACC college catalog.

- An incomplete may be given to a student under special circumstances. An incomplete grade cannot be carried beyond the established date in the following semester. The completion date is determined by the instructor but may not be later than the final deadline for withdrawal in the subsequent semester.

If you feel an incomplete grade is warranted, you must discuss the issue with your instructor no less than three weeks prior to the end of the semester.

- *Scholastic Dishonesty*: A student attending ACC assumes responsibility for conduct compatible with the mission of the college as an educational institution. Students have the responsibility to submit coursework that is the result of their own thought, research, or self-expression. Students must follow all instructions given by faculty or designated college representatives when taking examinations, placement assessments, tests, quizzes, and evaluations. Actions constituting scholastic dishonesty include, but are not limited to, plagiarism, cheating, fabrication, collusion, and falsifying documents. Penalties for scholastic dishonesty will depend upon the nature of the violation and may range from lowering a grade on one assignment to an "F" in the course and/or expulsion from the college. See the Student Standards of Conduct and Disciplinary Process and other policies at <http://www.austincc.edu/current/needtoknow>
- *Students with Disabilities*: Each ACC campus offers support services for students with documented disabilities. Students with disabilities who need classroom, academic or other accommodations must request them through the Office for Students with Disabilities (OSD). Students are encouraged to request accommodations when they register for courses or at least three weeks before the start of the semester, otherwise the provision of accommodations may be delayed.

Students who have received approval for accommodations from OSD for this course must provide the instructor with the 'Notice of Approved Accommodations' from OSD before accommodations will be provided. Arrangements for academic accommodations can only be made after the instructor receives the 'Notice of Approved Accommodations' from the student.

Students with approved accommodations are encouraged to submit the 'Notice of Approved Accommodations' to the instructor at the beginning of the semester because a reasonable amount of time may be needed to prepare and arrange for the accommodations. Additional information about the Office for Students with Disabilities is available at <http://www.austincc.edu/support/osd/>

- *Student Rights and Responsibilities:* Students at the college have the rights accorded by the U.S. Constitution to freedom of speech, peaceful assembly, petition, and association. These rights carry with them the responsibility to accord the same rights to others in the college community and not to interfere with or disrupt the educational process. Opportunity for students to examine and question pertinent data and assumptions of a given discipline, guided by the evidence of scholarly research, is appropriate in a learning environment. This concept is accompanied by an equally demanding concept of responsibility on the part of the student. As willing partners in learning, students must comply with college rules and procedures.
- *Safety Statement:* Austin Community College is committed to providing a safe and healthy environment for study and work. You are expected to learn and comply with ACC environmental, health and safety procedures and agree to follow ACC safety policies. Additional information on these can be found at <http://www.austincc.edu/ehs>. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the Emergency Procedures poster and Campus Safety Plan map in each classroom. Additional information about emergency procedures and how to sign up for ACC Emergency Alerts to be notified in the event of a serious emergency can be found at <http://www.austincc.edu/emergency/>.

Please note, you are expected to conduct yourself professionally with respect and courtesy to all. Anyone who thoughtlessly or intentionally jeopardizes the health or safety of another individual will be immediately dismissed from the day's activity, may be withdrawn from the class, and/or barred from attending future activities.