



**Visual and Performing Arts Center**  
**Audio Recording Technology Department**  
<https://www.hccs.edu/programs/areas-of-study/art--design/audio-recording-technology/>

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## **MUSC 1327: Audio Engineering 1 | Lecture/Lab | #18538**

Spring 2022 | 16 Weeks (1.18.22-5.15.2022)

In Person | Tuesday 2:00pm -5:50pm

3 Credit Hours | 96 hours per semester

### **Instructor Contact Information**

Instructor:	Aric Nitzberg	Office Phone:	713-718-5621
Office:	PAC440c	Office Hours:	M-R 11:00 a.m.-12:00 p.m.
HCC Email:	<a href="mailto:aric.nitzberg@hccs.edu">aric.nitzberg@hccs.edu</a>	Office Location:	Spring Branch PAC

Please feel free to contact me concerning any problems that you are experiencing in this course. Your performance in my class is very important to me. I am available to hear the concerns and just to discuss course topics. Please email to schedule an appointment outside of my regular office hours. We can meet in person or by Zoom or phone.

### **Instructor's Preferred Method of Contact**

**Canvas Inbox, Email or Phone.** I prefer Canvas Inbox, as it will send an alert to my phone and I will generally respond faster. If you email, please include your name and student ID number. If you call, leave a voicemail with your name and number. I will respond to emails within 24 hours Monday through Friday; I will reply to weekend messages on Monday mornings.

### **What's Exciting About This Course**

Audio 1 is your introduction to the world of studio audio recording. We will be learning through collaboration in hands-on projects and labs. Your participation is vital! This course will equip you to record, edit, and mix in a professional studio setting using Pro Tools software and high quality professional recording equipment.

### **My Personal Welcome**

Welcome to Audio 1—I'm glad that you have chosen this course! I have been a professional musician for over 25 years, and a music producer for more than 10 years. I'm excited to share my knowledge and experiences with you. I will present the information in the most exciting way I know, so that you can grasp the concepts and apply them now and hopefully throughout your life.

As you begin your creative journey and learn new skills and concepts that may challenge you, I am available to support you. The fastest way to reach me is by my HCC email. The best way to really discuss issues is in person and I'm available during posted office hours to tackle the questions. My goal is for you to walk out of the course with a better understanding of music, the industry, and yourself. So please visit me or contact me by email whenever you have a question.

### Prerequisites and/or Co-Requisites

MUSC 1327 Audio Engineering 1 has the following prerequisites:

- MUSC 1335 Commercial Music Software
- MUSC 1331 MIDI 1

Per Department policy, you must earn a final grade of C or higher in the prerequisite courses before taking Audio 1. *If you have not satisfied the prerequisites, please meet with your instructor immediately to discuss your options.*

### Canvas Learning Management System

This section of MUSC 1327 will use [Canvas](https://eagleonline.hccs.edu) (<https://eagleonline.hccs.edu>) to manage our assignments, exams, and activities. I will be posting information, links to videos and articles, and any course updates or changes. There will also be discussions that will require your participation.

### HCC Online Information and Policies

Here is the link to information about HCC Online classes including the required Online Orientation for all fully online classes: <http://www.hccs.edu/online/>

### Scoring Rubrics, Sample Assignments, etc.

Look in Canvas for the scoring rubrics for assignments, samples of class assignments, and other information to assist you in the course. <https://eagleonline.hccs.edu/login/ldap>

### Course Modality

The course modality of this class is *In Person*.

**Faculty will hold class as per the assigned schedule, and students will attend each class period.**

Attendance will be taken each class period.

## Instructional Materials

### Textbook Information

The textbook listed below is **required** for this course.  
**"Modern Recording Techniques"** by David Miles Huber 9<sup>th</sup> edition.

The book is available for check out at no charge from the HCC Library.

ISBN-10: **1138954373**  
ISBN-13: **978-1138954373**

The book is available from the [HCC Bookstore](#) as well as many other popular sellers. It is also available as an e-book.

ISBN-10: **1138954373**  
ISBN-13: **978-1138954373**

### Additional Material Needed

1. Stereo headphones with 1/8" stereo plug.
2. USB Flash Drive 4gb minimum.

### Other Instructional Resources

#### Tutoring

HCC provides free, confidential, and convenient academic support, including writing critiques, to HCC students in an online environment and on campus. Tutoring is provided by HCC personnel in order to ensure that it is contextual and appropriate. Visit the [HCC Tutoring Services](#) website for services provided.

#### Libraries

The HCC Library System consists of 9 libraries and 6 Electronic Resource Centers (ERCs) that are inviting places to study and collaborate on projects. Librarians are available both at the libraries and online to show you how to locate and use the resources you need. The libraries maintain a large selection of electronic resources as well as collections of books, magazines, newspapers, and audiovisual materials. The portal to all libraries' resources and services is the HCCS library web page at <http://library.hccs.edu>.

#### Supplementary Instruction

Supplemental Instruction is an academic enrichment and support program that uses peer-assisted study sessions to improve student retention and success in historically difficult courses. Peer Support is provided by students who have already succeeded in completion of the specified course, and who earned a grade of A or B. Find details at <http://www.hccs.edu/resources-for/current-students/supplemental-instruction/>.



## Course Overview

MUSC 1327 Audio Engineering 1 covers the techniques of sound production including recording, mixing and editing with Pro Tools digital audio software. Hands-on skills and techniques to be covered include: DAWs, microphones, production roles, session procedures, signal flow, patch bay, mixer operation, and effects processing.

Students are required to attend additional lab hours outside of class.

### Core Curriculum Objectives (CCOs)

The following workplace competencies and foundation skills have been designed into this course curriculum.

1. Participate as a team member.
2. Works with diversity.
3. Selects technology.

### Course Student Learning Outcomes (CSLOs)

1. Demonstrate signal flow in the recording studio.
  - a. Demonstrate basic patch bay operation in a recording studio.
  - b. Demonstrate signal routing techniques in the recording studio.
2. Explain microphone characteristics and placement.
  - a. Describe basic categories of microphone design, such as moving coil, ribbon, and condenser, and their properties.
  - b. Discuss the uses of standard close and distant miking techniques used in audio production.
  - c. Identify the function of various microphone related accessories such as pop filters, lo-cut filters, phantom power, and polar pattern selectors.
3. Demonstrate studio setup and signal routing.
  - a. Demonstrate how to connect various pieces of audio equipment including microphones, A/D converters, mixers, and speakers.
  - b. Demonstrate basic time, frequency, and amplitude domain signal routing and processing.
  - c. Identify the basic features of common signal processors such as compressors, reverbs, equalizers, and delays.
4. Identify basic studio recording procedures.
  - a. Utilize effective file management strategies for an audio engineering project.

### Learning Objectives

Learning Objectives for each CSLO can be found at <https://www.hccs.edu/programs/areas-of-study/art--design/audio-recording-technology/>

## Student Success

Expect to spend some extra hours per week outside of class mastering the course content. Additional time may be required for Lab assignments. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

- Attending class in person
- Completing assignments
- Participating in class activities
- Reading the textbook

There is no short cut for success in this course; it requires practice, completing all lab work, and studying the material using the course objectives as a guide.

## Student Support

If you need assistance with basic needs such as food, housing, health care, and child care, access HCC Support Services at the link below.

<https://www.hccs.edu/support-services/counseling/hcc-cares/basic-needs-resources/>

Swoop to the Rescue fund provides one-time grants for students with urgent needs. Available February 1, 2021.

<https://www.hccs.edu/applying-and-paying/financial-aid/emergency-help/>

## Instructor and Student Responsibilities

As your Instructor, it is my responsibility to:

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through learner-centered instructional techniques
- Provide a description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness, and making up assignments
- Provide the course outline and class calendar that will include a description of any special projects or assignments
- Arrange to meet with individual students before and after class as required

As a student, it is your responsibility to:

- Attend class
- Participate actively by reviewing course material, interacting with classmates, and responding promptly in your communication with me
- Read and comprehend the textbook
- Complete the required assignments and exams
- Ask for help when there is a question or problem
- Keep copies of all paperwork, including this syllabus, handouts, and all assignments
- Be aware of and comply with academic honesty policies in the HCCS Student Handbook

## Assignments, Exams, and Activities

### Lab Assignments

There will be approximately four Lab Assignments. Each lab must be completed and submitted by the due date to receive full credit.

### Exams

There will be a Final Exam, which will consist of two parts, Written and Hands-On. Written Exam will consist of a minimum of 25 multiple choice questions. Hands-On Exam will require a demonstration of the skills covered in class within a set time limitation.

### Quizzes

There will be a minimum of two quizzes. Quizzes will help you prepare for the Final Exam.

### Discussions

There will be graded discussions throughout the semester. Discussions are required, written, topic-based assignments. You will submit them in Canvas. To receive full credit for Discussions, you will post and also respond to at least two of your classmates.

### Attendance

Attendance is required for this class. To receive full credit for attendance you must arrive on time and stay for the entire time that class is in session.

### Grading Formula

Attendance	20%
Labs	40%
Quizzes	10%
Participation	20%
Final Exam	10%

Grade	Total Points
A	90-100
B	80-89
C	70-79
D	60-69
F	<60

### Incomplete Policy:

In order to receive a grade of Incomplete ("I"), a student must have completed at least 85% of the work in the course. In all cases, the instructor reserves the right to decline a student's request to receive a grade of Incomplete.

**HCC Grading Scale can be found on this site under Academic Information:  
<http://www.hccs.edu/resources-for/current-students/student-handbook/>**



## Course Calendar

<b>HCC Calendar: MUSC 1327 CRN 18452 Summer 2021</b>		
Classes Begin	July 12, 2021	
Holidays and Breaks		
Last day to drop classes with a grade of W		
Instruction ends	August 15, 2021	
Final examination	August 12, 2021	
<b>Week</b>	<b>Dates</b>	<b>Topic / Assignments Due</b>
1		Survey, Lab Usage Agreement. Intro, Syllabus, Expectations, Canvas. Mac Basics, Intro to Pro Tools

### Syllabus Modifications

The instructor reserves the right to modify the syllabus at any time during the semester and will promptly notify students in writing, typically by e-mail, of any such changes.

## Instructor's Practices and Procedures

### Missed Assignments

All assignments including Labs, Projects, Quizzes, and Exams have fixed due dates.

- Labs turned in after due date will lose 10 points per class meeting.
- Quizzes may only be made up if student documents an emergency.
- Final Exam MUST be taken during scheduled times on Finals Week.

### Academic Integrity

It is essential that you do your own work in Audio 1. Academic dishonesty will not be tolerated and will result in a referral to the Dean of Student Services. See the link below for details.

Consequences for cheating, plagiarism, collusion, or other forms of dishonesty will range from zero grade on the assignment up to and including expulsion.

Here's the link to the HCC information about academic integrity (Scholastic Dishonesty and Violation of Academic Scholastic Dishonesty and Grievance):

<http://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-procedures/>

### Attendance Procedures

It is important that you attend class! Attendance will be taken every class meeting, and Attendance will count as 20% of your final grade. Per HCC policy, you may be withdrawn from the class if you miss more than 12.5% of class meetings. Students who miss the first two class meetings will be counted as "Never Attended" and will be withdrawn by the Administration.

## Student Conduct

These are my expectations for student conduct in class and during lab times:

1. Attend regularly, Arrive on time
2. Bring what you need
3. Refrain from conversation during instruction (although questions are welcome!)
4. Treat everyone with respect

Consequences that will be implemented for disruptive behavior can include removal from the classroom and being withdrawn from the course.

## Electronic Devices

Use of electronic devices (phone, tablets, personal laptops, etc.) is permitted in class, as long as sound, ringer, and alerts are kept off and you are using it individually. It is strongly advised that you stay engaged in the class and refrain from texting, watching videos, playing games, or engaging in other non-class related activity. If you are using a device in any way that is distracting to other students or the instructor, you will be asked to put it away. Placing or taking phone calls or using voice-to-text in the classroom is not permitted. If you must use your phone, please leave the classroom first.

*Note: the policy above pertains mainly to face-to-face instruction. For online courses, please be mindful of background or other sounds when your computer microphone is unmuted, which may be a distraction to other students.*

## HCC Policies

Here's the link to the HCC Student Handbook <http://www.hccs.edu/resources-for/current-students/student-handbook/> In it you will find information about the following:

- Academic Information
- Academic Support
- Attendance, Repeating Courses, and Withdrawal
- Career Planning and Job Search
- Childcare
- disAbility Support Services
- Electronic Devices
- Equal Educational Opportunity
- Financial Aid TV (FATV)
- General Student Complaints
- Grade of FX
- Incomplete Grades
- International Student Services
- Health Awareness
- Libraries/Bookstore
- Police Services & Campus Safety
- Student Life at HCC
- Student Rights and Responsibilities
- Student Services
- Testing

- Transfer Planning
- Veteran Services

### **EGLS<sup>3</sup>**

The EGLS<sup>3</sup> ([Evaluation for Greater Learning Student Survey System](#)) will be available for most courses near the end of the term until finals start. This brief survey will give invaluable information to your faculty about their teaching. Results are anonymous and will be available to faculty and division chairs after the end of the term. EGLS<sup>3</sup> surveys are only available for the Fall and Spring semesters. -EGLS3 surveys are not offered during the Summer semester due to logistical constraints.

<http://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/>

### **Campus Carry Link**

Here's the link to the HCC information about Campus Carry:

<http://www.hccs.edu/departments/police/campus-carry/>

### **HCC Email Policy**

When communicating via email, HCC requires students to communicate only through the HCC email system to protect your privacy. If you have not activated your HCC student email account, you can go [to HCC Eagle ID](#) and activate it now. You may also use Canvas Inbox to communicate.

### **Housing and Food Assistance for Students**

Any student who faces challenges securing their foods or housing and believes this may affect their performance in the course is urged to contact the Dean of Students at their college for support. Furthermore, please notify the professor if you are comfortable in doing so.

This will enable HCC to provide any resources that HCC may possess.

## **Office of Institutional Equity**

Use the link below to access the HCC Office of Institutional Equity, Inclusion, and Engagement (<http://www.hccs.edu/departments/institutional-equity/>)

### **disAbility Services**

HCC strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including long and short term conditions, mental health, chronic or temporary medical conditions), please meet with a campus Abilities Counselor as soon as possible in order to establish reasonable accommodations. Reasonable accommodations are established through an interactive process between you, your instructor(s) and Ability Services. It is the policy and practice of HCC to create inclusive and accessible learning environments consistent with federal and state law. For more information, please go to <http://www.hccs.edu/support-services/disability-services/>

### **Title IX**

Houston Community College is committed to cultivating an environment free from inappropriate conduct of a sexual or gender-based nature including sex discrimination, sexual

assault, sexual harassment, and sexual violence. Sex discrimination includes all forms of sexual and gender-based misconduct and violates an individual's fundamental rights and personal dignity. Title IX prohibits discrimination on the basis of sex-including pregnancy and parental status in educational programs and activities. If you require an accommodation due to pregnancy please contact an Abilities Services Counselor. The Director of EEO/Compliance is designated as the Title IX Coordinator and Section 504 Coordinator. All inquiries concerning HCC policies, compliance with applicable laws, statutes, and regulations (such as Title VI, Title IX, and Section 504), and complaints may be directed to:

David Cross  
Director EEO/Compliance  
Office of Institutional Equity & Diversity  
3100 Main  
(713) 718-8271  
Houston, TX 77266-7517 or [Institutional.Equity@hccs.edu](mailto:Institutional.Equity@hccs.edu)  
<http://www.hccs.edu/departments/institutional-equity/title-ix-know-your-rights/>

### **Office of the Dean of Students**

Contact the office of the Dean of Students to seek assistance in determining the correct complaint procedure to follow or to identify the appropriate academic dean or supervisor for informal resolution of complaints.

<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/>

### **Department Chair Contact Information**

Michael Cohn, Division Chair  
Audio Recording Technology, Filmmaking, and Music Business  
michael.cohn@hccs.edu  
713.718.6523