
Mustc 122 First-Year Audio Recording 2

Winter Quarter 2010

Matt Fordham – Room 810

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www.revolvercreative.com/shoreline

Office Hours: M 3:30-4:30 / T 1:45-3:15 / W 3:30-4:30 / Th 1:45-3:15

Class Times Section 1 – Monday & Wednesday 12:30pm - 1:45pm – Room 806
Section 2 – Tuesday & Thursday 12:30pm - 1:45pm – Room 806
Section 3 – Monday & Wednesday 2:00pm - 3:15pm – Room 806

Prerequisites Successful completion of MUSTC 121 or instructor's permission is required

Credits 3 credits are awarded upon successful completion of class

Course Description Students gain a deeper understanding of signal flow in a modern multi-track recording facility through the study and usage of recording consoles and signal processing. This course is the second of a structured three-course sequence.

Upon successful completion of the course, students will be able to:

- Define and use the basic terminology and concepts of audio recording and mixing.
 - Define and use the basic terminology and concepts of acoustics and electricity.
 - Demonstrate the proper use of microphones, mic stands, and cables.
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Materials

Required Textbook

- Modern Recording Techniques (6th edition), written by David Huber and Robert Runstein

Recommended Textbooks

- Understanding Audio (1st Edition) by Dan Thompson
- Recording Tips for Engineers (2nd Edition) by Tim Critch
- Tape Op magazine, Mix magazine, EQ magazine, and other audio recording periodicals.

Also Required:

- Access to internet connection (you will be required to access documents online)
- Ability to type homework assignments and reports

Late Assignments **Late weekly homework will not be accepted.** Other projects as assigned will be penalized by 20% per class. If you know that you are going to have a problem meeting a deadline and bring it to Matt's attention beforehand, there may be a way to work out a solution.

Attendance The course material contains complex subject matter. Attendance and class participation are essential to the successful completion of the course. You are expected to participate fully, and stay present for the duration of the class. It is your responsibility to keep up with all material presented in class. Call or email Matt, prior to the beginning of class if you know you will be absent. Attendance will be taken at the beginning of class. If you arrive late it is your responsibility to see Matt after class to discuss your attendance. Tardiness, taking extra long breaks, and leaving early will be noted. **Any missed tests or assignments must be completed before the next regularly scheduled class meeting.**

Grading Quiz 1: 10%
Midterm: 20%
Quiz 2: 10%
Final: 25%
Weekly Homework & Projects: 25%
Participation: 10%

- You will need to buy **Scantron** sheets from the bookstore in order to take the quizzes and tests.
- **Extra Credit** will be awarded to students who assist on recording sessions for second year students. A 2-3 page report must be submitted in order to receive the extra credit. Feel free to make other extra credit proposals to Matt.

Weekly Homework Accompanying the weekly reading assignment will be a brief written assignment that will be due at the by the week's first meeting. The assignments will be found on the class website (www.revolvercreative.com/shoreline) in PDF format and will be submitted online using the Online Homework Submission Interface at the following address:
<http://www.revolvercreative.com/ohsi/>, unless otherwise noted on the assignment. Weekly Assignments will not be accepted late.

Plagiarism and Cheating Each student is expected to exhibit academic integrity. Shoreline Community College does not permit any form of academic dishonesty, such as cheating or plagiarism. Plagiarism is the intentional submission of another's work as one's own. This will result in a failing grade for the assignment. Students who are found cheating on a test (that is, copying from another student's answers, giving a test to another person, etc.) will receive a 0% on the test and can lead to failing the class.

Students with Disabilities Students with disabilities that have accommodation needs are required to meet with Disabled Student Services (206-546-5832) to establish their eligibility for accommodation. Please review your accommodation requirements with Matt so that he understand and can meet your needs.

MUSTC 221 Course Outline

Reading assignments from the 6th edition of *Modern Recording Techniques*

Week	Topics & Reading Assignments
1	<ul style="list-style-type: none"> • Discussion of syllabus and course regulations. • An overview of the recording studio console, its components, and its place in the production process. <p>→ Read MRT Chapter 11, pp. 401-408</p>
2	<ul style="list-style-type: none"> • Review of signal levels (mic, line, speaker), reference levels, metering (VU, PPM), dynamic range, unity gain, balancing, connector types (XLR, TRS, TT, TS). • Block diagrams. <p>→ Read "Consoles and Connections" article (PDF on website)</p>
3	<ul style="list-style-type: none"> • Signal Flow I - Common routing tasks (tracking, overdubbing, mixing, live to two track), console configurations (split, in-line) • More block diagrams. <p>→ Read MRT Chapter 11, pp. 409-420.</p>
4	<p>★ QUIZ 1</p> <ul style="list-style-type: none"> • Signal Flow II - Channel and Monitor Path. Preamps, inserts, levels, panning. <p>→ Read MRT Chapter 11, pp. 420-421 & 517-520</p>
5	<ul style="list-style-type: none"> • Signal Flow III - Master Section. The master fader. • Monitoring for control room and musicians. Master mode selection. • Effects and auxiliary returns. <p>→ Read MRT Chapter 11, pp. 421-423 (Patchbays)</p>
6	<p>★ MIDTERM EXAM</p> <ul style="list-style-type: none"> • The patch bay and patch bay operation (normalling, mults, digital patching). • Busses (group, cue, and auxiliary). <p>→ Read MRT Chapter 12, pp. 439-455</p>
7	<ul style="list-style-type: none"> • Signal Processing I - Equalization. Technical characteristics and music application. <p>→ Read MRT Chapter 12, pp. 469-483</p>

8	<ul style="list-style-type: none"> ★ QUIZ 2 • Signal Processing II - Reverberation. Discussion of analog and digital spatial processing, reverb components, and the musical application of ambiance. Delay based effects. Technical characteristics and music application. → <i>Read MRT Chapter 12, pp. 455-469</i>
9	<ul style="list-style-type: none"> • Signal Processing III - Dynamics (compression, gating, expansion). Use as both utility and effect. Technical characteristics and music application. → <i>Review the Final Study Guide (on the website)</i>
10	<ul style="list-style-type: none"> • Review for Final • Watch a movie
	<p>FINAL EXAMS will take place during finals week (March 17th – 19th) as follows:</p> <ul style="list-style-type: none"> • Section 1: 10:30 – Wednesday, March 17th • Section 2: 12:15 – Wednesday, March 17th • Section 3: 2:00 – Friday, March 19th