
Mustc 123 First-Year Audio Recording 3

Spring 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 122 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 audio recorders, amplifiers and speakers. This course is the third of a structured three-course sequence.

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

- Understand and utilize analog and digital recording terminology and concepts.
 - Utilize standard audio recorder techniques.
 - Understand and utilize speaker and amplifier terminology and concepts.
 - Understand and utilize audio mastering terminology.
 - Discuss and analyze modern production and mixing practices.
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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 123 Course Outline	
(Schedule is tentative and subject to change depending upon the progress of the class)	
Week	Topics & Reading Assignments
1	<ul style="list-style-type: none"> • Discussion of syllabus and course regulations • Survey of multitrack recording in general • Interfacing multitrack machines with a studio <p>→ <i>Read MRT Chapter 5</i></p>
2	<ul style="list-style-type: none"> • Analog machines • Magnetic tape • E/R/P heads & sel-rep mode • Calibration <p>→ <i>Read MRT Chapter 6, pages 215–238</i></p>
3	<ul style="list-style-type: none"> • Digital audio history and theory • Digital tape machines <p>→ <i>Read MRT Chapter 6, pages 238–298 & review Quiz 1 Study Guide (on the website)</i></p>
4	<ul style="list-style-type: none"> ★ QUIZ 1 • Digital hard-disk machines • Components of disk-based system • Native processing vs. dedicated DSP • Pros and cons over analog tape and MDMs <p>→ <i>Read MRT Chapter 14</i></p>
5	<ul style="list-style-type: none"> • Monitoring • Speakers & Amplifiers <p>→ <i>Read MRT Chapter 9 & review the Midterm Study Guide (on the website)</i></p>
6	<ul style="list-style-type: none"> ★ MIDTERM EXAM • Synchronization <p>→ <i>Read MRT Chapters 16 & 17</i></p>
7	<ul style="list-style-type: none"> • Mastering • Product Manufacture <p>→ <i>Read MRT Chapter 7 & review the Quiz 2 Study Guide (on the website)</i></p>

8	<ul style="list-style-type: none"> ★ QUIZ 2 • MIDI and Electronic Music Technology → <i>Read MRT Chapter 18</i>
9	<ul style="list-style-type: none"> • Studio Session Procedures • Aesthetics in Production and Mixing → <i>Review the Final Study Guide (on the website)</i>
10	<ul style="list-style-type: none"> • Review for Final • Maybe watch a movie
	<p>FINAL EXAMS will take place during finals week (June 9th-June 11th) as follows:</p> <ul style="list-style-type: none"> • Section 1: 10:30 – Thursday, June 10^h • Section 2: 12:15 – Thursday, June 10th • Section 3: 2:00 – Wednesday, June 9th