

Recording Studio Repair & Maintenance

Fall, 2010

Course Number: 78-470

Credits: 3 credit hours

Prerequisites: Permission of Coordinator.

Instructor: David M. Thibodeau

Location: DR 209

Class Time: Monday 5 - 7:40 PM

Required Text: None

Office Hours: Monday 4:00 - 5:00. If you need assistance, and you cannot get to my office during this time, then talk to me about setting up an appointment at another time.

Office Location: Durgin 206

Phone numbers and e-mail address:

(603) 560-6825 Cell Phone (leave message) (Do not text to this number)

dave@thibodeau-LLC.com E-mail address

Course Description:

Hands-on experience in repair and maintenance techniques. Common minor repairs and routine maintenance of recording equipment; test equipment and tools; power supplies, op-amps, and low-noise amplifiers; distortion; analog and digital hardware; and interface considerations.

Course Goals and Objectives:

To provide students with the basic skills to assist studio maintenance personnel with basic maintenance tasks. To give students the basic background on cables, connectors, soldering, wiring standards, troubleshooting, and electronics. To encourage critical thinking skills that allow students to form their own opinions and reasoning to solve problems encountered in recording studio wiring and maintenance.

Course Schedule:

Date:	Class Topic	Reading assignment
Sept 13	Syllabus, Soldering, Electronics Theory review and application to studios	----
Sept 20	Electronics,	----
Sept 27	Op amp Circuits, Power supplies	----
Oct 4	Connectors, Wire	----
Oct 12	Exam covering 1 st four lectures. Lecture: Studio Wiring	----
Oct 18	Hand back Exams, Tape Recorders	----
Oct 25	Tape Recorder Alignment, Transports & Audio sections	----
Nov 1	Exam, covering Tape Recorders, Lecture on Consoles	----
Nov 8	Hand back exams, Consoles	----
Nov 15	Troubleshooting	----
Nov 22	Consoles	----
Nov 29	Exam covering consoles, Lecture: Troubleshooting	----
Dec 6	Hand back exams, , Review	----
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Final Exam will be on December 13st 5:00PM. Subject to change based on the final exam schedule when published.

Visit the course web site for updated information, handouts, homework assignments and outlines of some of the lectures.

<http://faculty.uml.edu/dthibodeau/78-470/index.htm>

Exams:

Three exams plus a comprehensive final exam will be given. The exams will cover the reading assignments, handouts, and class lectures.

No make-up exams will be given without **PRIOR** permission of the instructor.

Attendance:

Attendance is **REQUIRED**. I will be taking roll for every class. You will be allowed to miss three classes excused or not excused. The remaining classes will be factored into your final grade as an exam.

14 classes

-3 absences

11 classes that you are required to attend.

100/11= 9.1 points per class totaling 100 points for perfect attendance.

You will not get more than 100 points for attendance.

If you miss a class it is your responsibility to obtain the homework assignments and lecture notes from a classmate. If that is not possible then contact me for the assignments. However, I cannot supply you with lecture notes.

If you miss a class you still need to get the homework assignment turned in. Give the assignment to a classmate to turn in if the absence is planned otherwise leave it in the Adjunct Faculty box in the main office in an envelope with my name on it the next day. Have an office staff person date the envelope.

Homework:

I will be assigning various homework/Lab assignments. They will be due the next class period. Late homework will be downgraded 10% for each class after the due date. The homework score for the entire semester will be counted as an exam in your final grade.

There will be some required lab work to be done outside of class. The details will be discussed in class.

Final Grade Distribution:

Three exams @ 100 points each	300
Homework / Labs	100
Attendance	100
Final exam	<u>150</u>
Total points	650

Your Final grade will be determined from this score. $(\text{Your Total points} / 650) * 100 = \text{Percentile score}$

Percentile Score	Final Grade
95-100	A
92-94.9	A-
89-91.9	B+
85-88.9	B
82-84.9	B-
79-81.9	C+
75-78.9	C
72-74.9	C-
69-71.9	D+
65-68.9	D
< 65	F