

**MIKE CURB COLLEGE OF ENTERTAINMENT AND MUSIC BUSINESS
COURSE SYLLABUS**

Course # / Title:	<i>CRN 10080, AET 1380.04 - Survey of Recording Technology</i>
Course Credit Hours:	<i>3 Credit Hours</i>
Semester:	<i>Fall 2009</i>
Instructor:	<i>Timmy Tappan Ed.D., M.Ed., B.S.</i>
Instructor Contacts:	<i>460-6290; timmy.tappan@belmont.edu</i>
Instructor Office Hours:	<i>T & R 9:15 am – 11 am; MSE Rm 220</i>
Class Location:	<i>MCREMS B25 (Studio Level/Massey)</i>
Meeting Time(s):	<i>12 pm – 12:50 pm MWF; August 26, 2009 through December 7, 2009</i>
Final Exam:	<i>December 15 @ 11:00am; In the classroom</i>
Course Webpage:	<i>http://campus.belmont.edu/mb/AET1380/</i>
Dr. Tappan's Webpage	<i>http://coba.belmont.edu/fac/tappant</i>

Course Description:

AET 1380 Survey of Recording Technology (3). A study of the major areas of recording technology as related to the music industry. The student receives an overview of analog and digital technology with attention to its innovations, history, and effect on the music industry.

Course Outcomes: At the end of this course the student will be able to:

- recall significant events, technologies, and individuals that have influenced music-recording.
- identify fundamental properties of sound with regard to differences in spectral, dynamic, and spatial characteristics of recordings.
- recognize examples of historically significant music-recordings.
- recall knowledge about and apply basic skills related to the music-recording process.

Performance Tasks: During this course the student will:

- arrange and relate recording devices, mediums, and inventors chronologically in a historical timeline.
- describe how recording devices and mediums differed, affected the sound quality of resultant recordings, and changed the recording process.
- listen and classify examples of music-recordings from the acoustic, electrical, and digital eras.
- observe and describe the recording process.
- practice and perform basic music recording techniques.

Assessment Tools:

During this course, outcomes mastery will be evaluated by:

- short answer quizzes and multiple-choice tests based on lectures, assigned readings, and class listening examples.
- written observations of studio recording sessions.
- completion of a collaborative mix project.
- completion of a collaborative final recording project or class presentation.
- a comprehensive written exam based on lectures, assigned readings, and listening.

Testing & Assignments:

<i>Activity</i>	<i>Credit</i>	<i>Purpose/Description</i>
<i>1. Tests (4)</i>	<i>400 points (100 points each) 40%</i>	<i>Based on lectures and class discussions; will assess the student's knowledge base of the topic.</i>
<i>2. Quizzes (4)</i>	<i>40 points (10 points each) 4%</i>	<i>Based on lectures, PowerPoint presentations, class discussions, reading assignments, handouts, and vocabulary</i>
<i>3. Mix Project</i>	<i>100 points</i>	<i>A collaborative group mix project demonstrates the student's</i>

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	<i>10%</i>	<i>ability to use classroom studio equipment. Grading is achieved by a mix rubric.</i>
<i>4. Studio Observation Reports (4)</i>	<i>140 points (35 points each) 14%</i>	<i>A pre-formatted three page summary of observed recording sessions @ Belmont Studios</i>
<i>5. Recording Project</i>	<i>120 points 12%</i>	<i>A collaborative group recording project demonstrates the student's ability to record a song using classroom studio equipment. Accompanied by a three-page report documenting procedure, the report and mix are graded using a final project rubric.</i>
<i>or</i>		
<i>5b. Class Presentation</i>	<i>120 points 12%</i>	<i>In lieu of a final recording project, students will give a PPT presentation accompanied by a five-page report of a instructor-approved subject that relates to recording technology. Paper must cite a minimum of (5) references and use MLA or APA format.</i>
<i>6. Final Exam</i>	<i>200 points 20%</i>	<i>A comprehensive test of multiple-choice questions that will measure the depth of the student's knowledge base of the course topics and short-answer questions that will assess the student's assimilation of knowledge gained from lectures and readings.</i>

Course & Classroom Policies:

Assignments: All students are expected to prepare and contribute to class discussions. Additional class readings and website links are available on the class website link noted above. You are expected to complete reading and study of textbook chapter assignments as noted in the daily class schedule. Observation of three recording sessions at designated intervals with detailed reports is required. Additionally, all students will complete the lab tutorials and record a final project using classroom equipment.

Testing: All test dates are noted in the class schedule. **No makeup tests or quizzes will be given.** The final exam is comprehensive. No electronic devices of any kind may be used during exams.

Attendance & Participation:

Attendance: Class attendance follows university policy as stated in the current Undergraduate Bulletin. Class participation is expected; attendance and absence will be noted.

<http://www.belmont.edu/catalog/undergrad2009jun/apolicy/index.html>

Materials: Audio in Media, 7th Edition, Stanley R. Alten, Thomson, Wadsworth. (recommended if you can find used)

The AET1380 Workbook is available at the bookstore and is required.

A class notebook/binder and several blank CD-R's for class projects will be needed.

PLEASE NOTE: Audio in Media, 7th Edition is the recommended purchase and is no longer available from the publisher. You are encouraged to find a used text, or purchase the new 8th edition from the bookstore. It is not recommended to purchase individual chapters online via ichapters.com because many 1380 students have experienced problems unlocking chapters after purchase. The following chapters are covered in this course. 1) Ears, 2) Physics & Psychophysics, 3) Acoustics & Psychoacoustics, 4) Microphones, 5) Consoles & Control Surfaces, 6) Recording, 8) Signal Processors, 9) Loudspeakers & Monitoring, and 13) Music Production.

All students are expected to prepare and contribute to class discussions. Specific class activities, lecture notes, reminders, and reviews are updated frequently using Blackboard. Additional class readings and website links are available on the class website. <http://campus.belmont.edu/mb/AET1380/>

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You are expected to complete reading and study of textbook chapter assignments as noted in the daily class schedule. Additional material given via handouts and class PPT lecture notes (available for print via Blackboard) will require an organized binder. A #2 pencil will be needed for quizzes and multiple-choice tests. Observation of four recording sessions at designated intervals with detailed reports will be required. Additionally, all students will complete a collaborative mix project, a final recording project, or a class presentation.

Grade Evaluation: As per CEMB policy, the grade assignment scale for this course is:

Grade	Percent (GPA)
A	94 (4.0)
A-	90 (3.7)
B+	87 (3.3)
B	84 (3.0)
B-	80 (2.7)
C+	77 (2.3)
C	74 (2.0)
C-	70 (1.7)
<i>Final grades below 70 % will not apply to the major.</i>	
D+	67
D	64
D-	60
F	< 60

Honor Code: It is the responsibility of each student to abide by the Belmont University Honor Code. “In affirmation of the Belmont University Statement of Values, I pledge that I will not give or receive aid during examinations; I will not give or receive false or impermissible aid in course work, in the preparation of reports, or in any other type of work that is to be used by the instructor as the basis of my grade; I will not engage in any form of academic fraud. Furthermore, I will uphold my responsibility to see to it that others abide by the spirit and letter of this Honor Pledge.”

Accommodation of Disabilities: In compliance with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act, Belmont University will provide reasonable accommodation of all medically documented disabilities. If you have a disability and would like the university to provide reasonable accommodations of the disability during this course, please notify the Office of the Dean of Students located in Beaman Student Life Center (460-6407) as soon as possible.

Class Schedule:

<i>Date</i>		<i>Subject/Activity</i>	<i>Assignment</i>
August 26	W	<i>First Contact / Class Orientation</i>	Why am I here?
28	F	Historical perspective of recording technology	
31	M	History continued: Edison / Berliner / Visit the studio	
September 2	W	How the ear hears/Assign groups	
4	F	Auditory chain of events/Acoustic Principles	Quiz #1
7	M	LABOR DAY HOLIDAY	
9	W	Psycho-acoustic Principles	
11	F	Continue discussion	
14	M	Connections Video	
16	W	TEST #1	TEST #1
18	F	Microphone Design/ Electro-Magnetic Transduction	Observation # 1 Due
21	M	Continue discussion	
23	W	Mic Response Characteristics	
25	F	Mic Placement/Visual Inspection	Quiz #2

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	28	M	Test #2	TEST #2
	30	W	Consoles and Signal Flow	
October	2	F	Continue discussion	
	5	M	Go over Mix Project	
	7	W	Console Features/Automation	Observation # 2 Due
	9	F	Continue discussion	
	12	M	Analog Recording Principles	Quiz # 3
	14	W	Recorder technology/format comparisons	
	16	F	FALL BREAK	
	19	M	Review for test	
	21	W	Test #3	TEST #3
	23	F	Digital Recording	
	26	M	Digital recorders/Tapeless recording	Mix Project Due
	28	W	Spectrum Processors	Quiz # 4
	30	F	Continue discussion	
November	2	M	Time Processors	
	4	W	Continue discussion	Observation # 3 Due
	6	F	Amplitude Processors	
	9	M	Continue discussion	
	11	W	Speaker technology	
	13	F	Continue discussion	
	16	M	Review for test	
	18	W	Test #4	TEST #4
	20	F	Project Focus	
	23	M	Introduction to Critical Listening	Observation # 4 Due
	25	W	THANKSGIVING BREAK	
	27	F	THANKSGIVING BREAK	
	30	M	Sgt. Pepper Video	
December	2	W	Present Projects in class	Final Projects Due
	4	F	Les Paul Video	
	7	M	Class wrap/lose ends	
Final Exam:			FINAL EXAM	FINAL EXAM
			Tuesday, December 15; 11:00am	