MIKE CURB COLLEGE OF ENTERTAINMENT AND MUSIC BUSINESS
COURSE SYLLABUS

| Course # / Title:          | BU CRN: 15761, AET 2560.02l, Sound Reinforcement  |
|                           | HCC CRN: 20998, MELE 2150.0 Sound Reinforcement |
| Course Credit Hours:      | 3 hours                                             |
| Semester:                 | Fall 2009                                           |
| Instructor:               | Anthony Cottrill                                    |
| Instructor Contacts:      | 615-460-6144, tony.cottrill@belmont.edu            |
| Instructor Office Hours:  | Monday – Friday, 9:00am-5:00pm                      |
| Class Location:           | Massey Building, Room B19, MELE BLD 2              |
| Meeting Time(s):          | Section 2560.02 TR 2:00pm–3:15pm                   |
|                           | MELE 2150.0 TR 9:00am-10:15am                       |
| Final Exam:               | 2560.02 & MELE 2150.0 Thur. Dec 10, 2pm, B19, MELE BLD 2 |

Course Description:

AET 2560 - Sound Reinforcement (3). Prerequisites: AET 1380 and permission of instructor. A study of equipment, systems concepts, design, and acoustical problems involved in concert and live performance sound reinforcement. Gen Ed. Designation: EL (I – Internships, Clinicals, Practica).

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

- design, assemble, trouble-shoot and operate small venue sound systems with a knowledge base of large concert venue sound systems.
- identify and analyze live acoustic and audio system technical problems.
- apply analog console live signal routing and signal flow charts.

Performance Tasks: During this course, the student will:

- recognize and use basic terms/definitions, techniques, skills, and modern tools of the disciplines within practical sound reinforcement applications through classroom theory/shop/laboratory and small venue application.
- be required to attend and role-play in Belmont University Music Business showcases.
- participate in the classroom/lab environment with the instructor.
- work with students from AET 4560 Advanced Sound Reinforcement students at on campus events employing live sound and live recording techniques as per assignments delegated by the Coordinator of Live Sound department.

Assessment Tools: During this course, outcomes mastery will be evaluated by:

- Multiple choice, true and false, and written responses comprised of short answers to questions given on quizzes and exams.
- Participation and attendance at events.
- Homework assignments.

**Testing & Assignments:**

There will be two quizzes, one mid-term, and one final exam. Along with mandatory testing you will be required to complete homework assignments. An analog Mixdown Project due at the end of semester is also included.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Credit</th>
<th>Purpose/Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Event Participation/Attendance</td>
<td>20 %</td>
<td>Based on attending and taking part in AET Live Sound events including, but not limited to Curb Café events, CEMB Showcases, and other events as booked.</td>
</tr>
<tr>
<td>2. Quizzes/Homework</td>
<td>15 %</td>
<td>Based on reading assignments, quizzes and homework Will assess the student’s knowledge base of the topic.</td>
</tr>
<tr>
<td>3. Mixdown Project</td>
<td>15 %</td>
<td>Based on a team collaboration of two students, the mixdown project will assess the student’s ability to mix a prerecorded live recording to a CD.</td>
</tr>
<tr>
<td>4. Mid-Term Exam</td>
<td>25 %</td>
<td>Based on reading assignments and lectures, comprehensive tests will assess the depth of the student’s knowledge base of the topic. Each test is comprised of a series of short-answer essay questions supplemented with multiple-choice questions.</td>
</tr>
<tr>
<td>5. Final Exam</td>
<td>25 %</td>
<td>Based on reading assignments and lectures, comprehensive tests will assess the depth of the student’s knowledge base of the topic. Each test is comprised of a series of short-answer essay questions supplemented with multiple-choice questions.</td>
</tr>
</tbody>
</table>

**Course & Classroom Policies:**

**Attendance & Participation:** It is understood all participants using Belmont studio facilities will abide by CEMB studio session procedure protocol. 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](http://www.belmont.edu/catalog/undergrad2009jun/apolicy/index.html)

**Testing:** Test dates are noted in the class schedule. Quizzes may be unannounced. A #2 pencil will be needed for quizzes and exams. **No makeup tests or quizzes will be given.** No electronic devices of any kind may be used during exams. Testing is comprehensive and includes all content and assigned reading to date. The final written exam is administered on the assigned date only according to the university final exam schedule.

**Materials:**
CDR’s for mixdown project and a calculator.

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percent (GPA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>94 (4.0)</td>
</tr>
<tr>
<td>A-</td>
<td>90 (3.7)</td>
</tr>
<tr>
<td>B+</td>
<td>87 (3.3)</td>
</tr>
<tr>
<td>B</td>
<td>84 (3.0)</td>
</tr>
<tr>
<td>B-</td>
<td>80 (2.7)</td>
</tr>
<tr>
<td>C+</td>
<td>77 (2.3)</td>
</tr>
<tr>
<td>C</td>
<td>74 (2.0)</td>
</tr>
<tr>
<td>C-</td>
<td>70 (1.7)</td>
</tr>
</tbody>
</table>

*Final grades below 70 % will not apply to the major.*

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percent</th>
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</thead>
<tbody>
<tr>
<td>D+</td>
<td>67</td>
</tr>
<tr>
<td>D</td>
<td>64</td>
</tr>
<tr>
<td>D-</td>
<td>60</td>
</tr>
<tr>
<td>F</td>
<td>&lt; 60</td>
</tr>
</tbody>
</table>

**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**: Although my goal is to keep as close as possible to the schedule below, inevitably it will change on occasion.

<table>
<thead>
<tr>
<th>Week Of</th>
<th>Tuesday</th>
<th>Thursday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/24</td>
<td>Introduction</td>
<td>Signal Flow</td>
</tr>
<tr>
<td>8/31</td>
<td>Curb Café Training</td>
<td>Signal Flow</td>
</tr>
<tr>
<td>9/7</td>
<td>Flow Chart Identification</td>
<td>Flow Chart Identification</td>
</tr>
<tr>
<td>9/14</td>
<td>Showcase Preparation</td>
<td>Loudspeakers</td>
</tr>
<tr>
<td>9/21</td>
<td>Crossovers</td>
<td>Enclosures</td>
</tr>
<tr>
<td>9/28</td>
<td>Loudspeakers</td>
<td>Mixdown Project Review</td>
</tr>
<tr>
<td>10/5</td>
<td>Enclosures</td>
<td>Fall Break</td>
</tr>
<tr>
<td>10/12</td>
<td>Mid Term</td>
<td>Parallel/Series</td>
</tr>
<tr>
<td>10/19</td>
<td>Pin-outs</td>
<td>Horns</td>
</tr>
<tr>
<td>10/26</td>
<td>Parallel/Series</td>
<td>Amplifiers</td>
</tr>
<tr>
<td>11/2</td>
<td>Bi/Tri amp systems</td>
<td>Sound Theory</td>
</tr>
<tr>
<td>11/9</td>
<td>Test Equipment</td>
<td>Microphones</td>
</tr>
<tr>
<td>11/16</td>
<td>Sound Theory</td>
<td>Thanksgiving Break</td>
</tr>
<tr>
<td>11/23</td>
<td>Equalizers</td>
<td>Time Based Processors</td>
</tr>
<tr>
<td>11/30</td>
<td>Amplitude Based Processors</td>
<td>No Classes</td>
</tr>
<tr>
<td>12/7</td>
<td>Course Review/Last Class Day</td>
<td></td>
</tr>
</tbody>
</table>