Course Description:

Prerequisite: MUT 310 Audio Production

Corequisite: MUT 325 Music Industry

In this final course of the audio technology sequence, students focus on music production techniques, advanced editing and mixing concepts as well as the mechanics of mastering. Students will explore advanced uses of automation and MIDI, sophisticated arranging and navigation methods as well as unique implementations of effects. Tools for mastering an assortment of media, audio delivery formats and various mastering processes will also be studied.

Program Learning Outcomes:

1. Student will demonstrate the ability to hear, identify, and work conceptually with the melodic, harmonic and rhythmic elements of music.
2. Student will successfully complete an academic research paper that demonstrates written language skills, citations, analysis, musical examples and organization.
3. Students will demonstrate their understanding of current trends in popular music by recording and producing songs.
4. Students will rehearse musical material for and perform on recorded projects.
5. Students will demonstrate a working knowledge of popular music history and literature.
**Student Learning Outcomes:**

After successfully completing this course, students will be able to:

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<th>Recount the history of mastering</th>
<th>Work faster and more efficiently on an industry standard system</th>
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<td>Use various effects to optimize audio for mastering</td>
<td>Use loops to create tempo maps and extract groove templates</td>
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<td>Understand the process of creating compact discs and MP3s</td>
<td>Import and export MIDI files</td>
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<td>Create discrete headphone mixes and set temporary effects for the artist</td>
<td>Decipher when to use the various automation modes</td>
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**Text & Materials**

1. Textbooks
   - Pro Tools 210M by AVID
   - The Mastering Engineer’s Handbook Third Edition by: Bobby Owsinski
2. Key for the SRT Lab. See Missy Devine in the Music Office (Room 150).
3. Blank CD-Rs & DVD-Rs for class projects.
4. Headphones with a %” adapter.
5. Flash Drive to backup projects.
6. 2” 3-Ring Binder for presentations.

**Optional Suggested Further Reading:**

- *Practical Recording Techniques*, 4th Edition by Bruce and Jenny Bartlett
- *Recording Tips for Engineers*, 2nd Edition by Tim Crich
- *6 Steps to Songwriting Success*, Revised and Expanded Edition by Jason Blume
Course Requirements:

1. **Lab Time**: Students must sign up for hourly lab time slots and should expect to spend an average of at least four-to-six hours per week on each project.

2. **Projects**: Projects will be listened to in the beginning of class as well as evaluated by peers. Some projects may be turned in on a CD for grading.

   *Late projects will receive a zero. Students must also be present in class for their projects to be played and assigned grades.*

3. **Presentation**: Students will deliver an academic presentation on mastering and an instructor-approved mastering engineer. Students are also required to assemble a professional-looking binder of all presentations.

4. **Research Paper**: Students will compose a research paper on an instructor-approved topic.

   *Late papers or email submissions are unacceptable and will be subsequently assigned a zero.*

5. **Final Project**: The final project shall be turned in on an audio CD with tracking sheets and pertinent synopses of musical elements used to fulfill the assignment.

   *Late final projects will receive a zero.*

6. **Final Exam**: A one-on-one timed exam that demonstrates students’ hands-on knowledge of how to manipulate various musical elements on an advanced system.

7. **Cinematography Film**: During certain semesters, students will work on of a full-length feature film, the assigned portions of which will be posted on Desire2Learn.

8. **Participation**: Students are required to help with the setup and breakdown of equipment for one Jazz Band concert during the semester. Students are also required to participate in one Showcase Saturday event. Assigned times will be made during the beginning of the semester and will be posted on Desire2Learn.
Grading Policy:

1. **Grading Policy:**
   
   1. Weekly Projects: 20%
   2. Mid Term Exam: 20%
   3. Final Exam: 20%
   4. Research Paper: 15%
   5. Final Project: 15%
   6. Participation: 10%

Grading Scale:

A: 90-100  B: 80-89
C: 70-79  D: 60-69
F: 59 & Below