Miami Dade College

Course Description

MUM2604 | Multi-Track Mixdown Techniques | 1.00 credit
This course deals with the application of signal processing gear to multi-track master recording mix down to 2 track stereo mastering machines; includes editing and packaging. Prerequisites: MUM2600, 2600L

Competency 1: The student will demonstrate critical listening skills by:
1. Identifying sonic qualities inherent in different audio mixes
2. Identifying issues that need attention in a mix

Competency 2: The student will demonstrate an understanding of workflow and documentation by:
1. Creating a mixed plan outlining the steps to be taken from the start to completion of the project
2. Maintaining organized session files and documenting the settings of devices

Competency 3: The student will demonstrate an understanding of audio signal flow by:
1. Identifying and explaining signal flow in a typical audio mixing console or software
2. Routing signals from point to point to process and blend signals for the purpose of achieving a compelling mix

Competency 4: The student will demonstrate an understanding of signal processing as it applies to mixdown by:
1. Applying different equalization techniques to shape the tonal balance of audio tracks
2. Applying compression and other dynamic processing techniques to control the dynamic range of audio signals
3. Applying reverb, delay, and other time-based effects to enhance the spatial characteristics of the mix

Competency 5: The student will demonstrate an understanding of automation by:
1. Identifying various automation modes and their functions
2. Implementing automation techniques to control various sound shaping parameters, such as volume, mute, pan, and effect sends over time

Competency 6: Upon successful completion of this course, students will demonstrate an understanding of audio balance and spatial image by:
1. Applying panning and spatial effects to create a stereo image in the mix
2. Adjusting relative levels to effectively balance parts in a mix
3. Following industry standards and best practices in audio mixing

Learning Outcomes:
- Formulate strategies to locate, evaluate, and apply information
- Demonstrate an appreciation for aesthetics and creative activities