



## Course Description

### **MUM 2604 – Multi-Track Mixdown Techniques**

This course deals with the blending and processing of tracks in a multi-track recording to a 2-track stereo program.

#### **Competency 1**

*Upon successful completion of this course, students will demonstrate critical listening skills by:*

- Identifying sonic qualities inherent in different audio mixes.
- Identifying issues that need attention in a mix.

#### Learning Outcomes

Information Literacy

Aesthetic / Creative Activities

#### **Competency 2**

*Upon successful completion of this course, students will demonstrate understanding of workflow and documentation by:*

- Creating a mix plan outlining the steps to be taken, from start to completion of the project.
- Maintaining organized session files and documenting settings of devices.

#### Learning Outcomes

Information Literacy

Aesthetic / Creative Activities

#### **Competency 3**

*Upon successful completion of this course, students will demonstrate understanding of audio signal flow by:*

- Identifying and explaining signal flow in a typical audio mixing console or software.
- Routing signals from point to point to process and blend signals for the purpose of achieving an effective mix.

#### Learning Outcomes

Information Literacy

Aesthetic / Creative Activities

#### **Competency 4**

*Upon successful completion of this course, students will demonstrate understanding of signal processing as it applies to mixdown by:*

- Applying different equalization techniques to shape the tonal balance of audio tracks.
- Applying compression and other dynamic processing techniques to control the dynamic range of audio signals.
- Applying reverb, delay, and other time-based effects to enhance the spatial characteristics of the mix.

#### Learning Outcomes

- Information Literacy
- Aesthetic / Creative Activities

**Competency 5**

*Upon successful completion of this course, students will demonstrate understanding of automation by:*

- Identifying various automation modes, and their functions
- Implementing automation techniques to control various sound shaping parameters over time, such as volume, mute, pan, and effect sends.

**Learning Outcomes**

- Information Literacy
- Aesthetic / Creative Activities

**Competency 6**

*Upon successful completion of this course, students will demonstrate understanding of audio balance and spatial image by:*

- Applying panning and spatial effects to create a stereo image in the mix.
- Adjusting relative levels to establish an effective balance of parts in a mix
- Following industry standards and best practices in audio mixing.

**Learning Outcomes**

- Information Literacy
- Aesthetic / Creative Activities