



### **Course Description**

#### **MUM2600L | Sound Recording 1 Lab | 1.00 credits**

Participation in MUM2600L offers students directed "hands on" experience coinciding with lectures in MUM 2600.  
Corequisite: MUM2600.

### **Course Competencies:**

**Competency 1:** The student will demonstrate a basic understanding of the physics of sound and hearing by:

1. Recording and examining simple and complex waveforms
2. Relating harmonic content and amplitude to instrumental timbre

**Competency 2:** The student will demonstrate a basic understanding of recording project management by

1. Accurately documenting the planning and execution of a recording project
2. Working collaboratively to produce a recording project
3. Successfully completing a multi-track recording project
4. Evaluating the quality of a multi-track recording project in various listening environments

**Competency 3:** the student will demonstrate a basic understanding of commonly used studio microphones and their typical applications by:

1. Selecting appropriate microphones based on project needs
2. Properly setting up and placing microphones
3. Recording various acoustic sources
4. Properly storing microphones and related equipment

**Competency 4:** the student will demonstrate a basic understanding of the recording process by:

1. Properly utilizing a variety of commonly used cables and connectors
2. Identifying various components of an audio channel strip
3. Manipulating audio signals via a virtual or physical audio patch bay
4. Appropriately adjusting signal input and output levels
5. Applying in-line and side-chain signal processing to audio sources
6. Applying standard editing techniques to recorded audio signals
7. Manipulating the spatial positioning of monaural, stereo, and poly aural acoustic sources

### **Learning Outcomes:**

- Solve problems using critical and creative thinking and scientific reasoning
- Use computer and emerging technologies effectively
- Demonstrate an appreciation for aesthetics and creative activities