Miami Dade College

Course Description
MUM2601 | Sound Recording 2 | 3.00 credits
This course explores advanced multi-track recording skills and audio production techniques. Emphasis is on mixing board skills, microphone techniques, and use of outboard equipment and live 2 track recording. Prerequisite: MUM2600.

Course Competencies:
Competency 1: the student will demonstrate a working knowledge of analog and digital recording console operation by:
1. Explain the operational controls' function found on most recording devices
2. Effectively routing signals from point to point through hands-on operation of the devices
3. Explaining the process entailed in obtaining proper gain structure

Competency 2: the student will demonstrate a working knowledge of microphones by:
1. Explaining the difference between different types of microphone types and designs
2. Identifying commonly used professional microphones and their typical application
3. Describe proper microphone placement, set-up, care, and maintenance, and execute the same through hands-on equipment operation
4. Comparing the sonic and aesthetic quality achieved through the utilization of various microphones and various miking techniques

Competency 3: the student will demonstrate a working knowledge of signal processing by:
1. Explaining the technology upon which the various signal processing devices are based
2. Identifying commonly used signal processing devices
3. Effectively utilizing signal processing to achieve desired results
4. Comparing the sonic and aesthetic quality achieved through the utilization of various signal processors

Competency 4: the student will demonstrate knowledge of studio monitors by:
1. Explaining the technology upon which various studio monitors are based
2. Differentiating among various monitor designs
3. Identifying commonly used studio monitors

Competency 5: the student will demonstrate knowledge of amplifiers by:
1. Explaining the technology upon which various studio amplifiers are based
2. Identifying amplifiers used in the audio recording process

Competency 6: the student will demonstrate a working knowledge of audio cables and connectors by:
1. Explaining the technology upon which various cables and connectors are based
2. Differentiating among various types of cables and connectors and their uses
3. Identifying commonly used cables and connectors

Competency 7: the student will demonstrate a working knowledge of digital audio recording technology by:
1. Describing theorems and constructs of digital audio
2. Listing commonly used audio sample rates and file format
3. Describing hardware and software components used in the digital recording process
4. Configuring hardware and software components for optimal effectiveness
5. Explaining the function and application of essential digital editing commands

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

Updated: Fall 2025