



### **Course Description**

#### **MUM2623C | MIDI Electronic Music 1 | 2.00-3.00 credits**

This course is designed to acquaint music students with basic applications of Musical Instrument Digital Interface (MIDI) for the purpose of composition and performance and learning pre-production concepts with multi-track recording studio. Emphasis will be placed on keyboards, outboard gear, drum machines, and computer-assisted operations.

### **Course Competencies:**

**Competency 1:** The student will be able to develop and arrange musical sequences by:

1. Analyzing musical scores, students will identify and extract essential elements such as melody, harmony, and rhythm
2. Creating original arrangements, students will adapt musical scores for various instruments and styles, demonstrating creativity and adaptability
3. Utilizing digital audio workstations (DAWs), students will arrange and edit musical sequences, showcasing their technical skills in production software

**Competency 2:** The student will prepare sequences for digital transfer by:

1. Comprehending different audio and MIDI file formats, students will select the appropriate format for specific digital transfer needs
2. Exporting musical sequences, students will ensure that files are prepared with high audio quality for various media platforms
3. Applying metadata and tagging, students will enhance the organization and identification of digital files for efficient access and retrieval

**Competency 3:** The student will configure and utilize a midi workstation by:

1. Setting up MIDI hardware and software, students will configure a MIDI workstation for optimal performance and connectivity
2. Creating and editing MIDI sequences, students will demonstrate proficiency in manipulating timing, velocity, and dynamics
3. Integrating MIDI sequences with digital audio tracks, students will troubleshoot synchronization issues, achieving a cohesive and polished production

### **Learning Outcomes:**

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Use computer and emerging technologies effectively
- Demonstrate an appreciation for aesthetics and creative activities