

# MUS-1140: MIDI TECHNOLOGY II

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## Cuyahoga Community College

### Viewing: MUS-1140 : MIDI Technology II

**Board of Trustees:**

1997-10-23

**Academic Term:**

Fall 2019

**Subject Code**

MUS - Music

**Course Number:**

1140

**Title:**

MIDI Technology II

**Catalog Description:**

Further development of concepts and skills introduced in MIDI Technology I. Advanced sequencing and editing techniques, synchronization, digital audio recording, music notation and MIDI studio organization.

**Credit Hour(s):**

3

**Lecture Hour(s):**

2

**Lab Hour(s):**

2

**Other Hour(s):**

0

## Requisites

**Prerequisite and Corequisite**

MUS-1130 Midi Technology I.

## Outcomes

**Objective(s):**

1. Assemble complex MIDI systems.
2. Perform intermediate level MIDI sequencing techniques.
3. Demonstrate an understanding of MIDI editor/librarians.
4. Demonstrate a practical knowledge of personal computer-based notation programs.
5. Demonstrate integrated digital audio/MIDI recording programs.

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**Methods of Evaluation:**

1. Examinations
2. Proficiency in MIDI system setup, sequencer operation, notation programs, and basic digital recording techniques

**Course Content Outline:**

1. Complex MIDI systems
  - a. Explaining MIDI setup principles
  - b. Demonstrating MIDI equipment hookup
  - c. MIDI interfaces
  - d. MIDI patchbays

- e. SMPTE synchronization
- f. MIDI automation
- 2. MIDI sequencing techniques
  - a. MIDI compositional techniques
  - b. Overview of MIDI data manipulation capabilities
  - c. MIDI event editing techniques
  - d. Quantizing
  - e. Transposing
  - f. Looping
  - g. Merge
  - h. Continuous controllers
    - i. Tempo maps
    - j. Virtual mixing
- 3. MIDI editor/librarians
  - a. System exclusive messages
  - b. Data management
  - c. Patch data transfer
  - d. Troubleshooting
- 4. Personal computer-based notation
  - a. Notation terminology and software capabilities
  - b. Document window and tool palates
  - c. Data entry and display
  - d. Notation editing techniques
- 5. Integrated digital audio/MIDI recording principles
  - a. RAM/disk-based recording principles
  - b. Digital system components
  - c. Digital audio recording
  - d. Digital audio editing
  - e. Integration of digital audio and MIDI recording

## Resources

Clackett, Dave. *Handbook of MIDI Sequencing*. Emoryville, CA: Mix Bookshelf, 1997.

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Huber, David Miles. *Hard Disc Recording for Musicians*. Emoryville, CA: Mix Bookshelf, 1995.

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Milano, Dominic, ed. *Mind Over MIDI*. Milwaukee: Hal Leonard, 1988.

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Top of page

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