MUS-1570: TECHNOLOGY TOOLS I

Cuyahoga Community College

Viewing: MUS-1570 : Technology Tools I

Board of Trustees:
1998-06-25

Academic Term:
1998-08-26

Subject Code
MUS - Music

Course Number:
1570

Title:
Technology Tools I

Catalog Description:
Designed to give music students practical knowledge and skills in the use of
current computer, MIDI (Musical Instrument Digital Interface), and electronic instrument technologies for application in music theory, arranging, composition and performance. Includes basic computer, MIDI principles and techniques, computer-based notation and sequencing software, and operation of modern electronic keyboard instruments.

Credit Hour(s):
2

Lecture Hour(s):
1

Lab Hour(s):
2

Requisites

Prerequisite and Corequisite
MUS-1210 Introduction to Music Theory, or departmental
approval.

Outcomes

Objective(s):

1. Demonstrate the ability to perform basic MIDI sequence recording and playback.
2. Demonstrate the ability to transfer MIDI sequences to a music notation program, perform additional basic edits, and print simple musical score.
3. Apply concepts and learned techniques to music theory classes.

Methods of Evaluation:

1. Performance on written examinations based upon assigned readings, worksheets and lecture material
2. Demonstration of proficiency in the operation of personal computer-based MIDI sequencing and notation programs

Course Content Outline:

1. Introduction
   a. Function, systems and operation of the personal computer
   b. Compositional tools available to the modern musician
2. MIDI

   a. Numerous types of MIDI data and their use
   b. Modern electronic instruments and their basic operation
   c. Proper integration and operation of various MIDI devices
3. Music notation applications
   a. Overview of notation program terminology and capabilities
   b. Document window and tool palette
   c. Data entry and display
   d. Notation editing techniques
   e. Creating lead sheets, page layout and printing
4. MIDI sequencing applications
   a. Sequencing overview
   b. Computer/MIDI interface
   c. Sequencer transport controls
   d. Sequence recording, mixing and playback
   e. Sequence tracks and notation windows
   f. Basic MIDI editing techniques
   g. MIDI system troubleshooting
5. Applications - apply music theory skills in student projects

Resources

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

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

Hurtig, Brent, ed. *Synthesizer Basics.* Milwaukee: Hal Leonard Publishing Corporation, 1987.

Massey, Howard. *A Synthesist's Guide to Acoustic Instruments.* NY, NY: Amsco Publications, 1987.

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