



# BROWARD COLLEGE COURSE OUTLINE

**LAST REVIEW:** 2004-2005

*(i.e. 2003-2004)*

**NEXT REVIEW:** 2014-2015

*(i.e. 2008-2009)*

**STATUS:** A

*(A, I, D)*

**COURSE TITLE:** MUS2342

**COMMON COURSE NUMBER:** Digital Audio Music Production

**CREDIT HOURS:** 3

**CONTACT HOUR BREAKDOWN**

*(per 16 week term)*

**CLOCK HOURS:**

*(Voc. Course ONLY)*

Lecture: **48**

Lab:

Clinic:

Other:

**PREREQUISITE(S):** Basic keyboard skills and music reading ability

**COREQUISITE(S):** none

**PRE/COREQUISITE(S):**

**COURSE DESCRIPTION:** An introduction to the creation and performance of music using computers.

General Education Requirements – Associate of Arts Degree (AA), meets Area(s):

General Education Requirements – Associate in Science Degree (AS), meets Area(s):

General Education Requirements – Associate in Applied Science Degree (AAS), meets Area(s):

## UNIT TITLES

1. Studio and Computer Basics
2. Basic MIDI Concepts
3. MIDI Sequencing Software
4. MIDI Orchestration and Synthesizer Control

**EVALUATION:**

The evaluation of the course outcomes will be through written tests and projects created in the Music Lab.

**Common Course Number: MUS 2342**

**UNITS**

**Unit 1**

**General Outcome:**

- 1.0 The student shall: Be able to access the computers, synthesizers and other electronic instruments and function within the studio/lab environment.**

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 1.1 Operate the computers, and access the MIDI software.**
- 1.2 Demonstrate understanding of the studio/lab equipment configuration.**
- 1.3 Select and produce sounds using the synthesizers and sound system.**

Common Course Number: MUS 2342

**Unit 2**

**General Outcome:**

- 2.0 The student shall: be able to discuss and demonstrate an understanding of how MIDI data is structured and used.**

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 2.1 Describe the structure of MIDI data, identify the different types of MIDI messages, and demonstrate their application to music production and performance.**
- 2.2 Discuss the application of MIDI sequencing software, sound editors, and notation programs to the production and performance of music.**

Common Course Number: MUS 2342

**Unit 3**

**General Outcome:**

- 3.0 The student shall: be able to demonstrate the use of MIDI sequencing software to store, edit, and playback musical information.**

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 3.1 Describe and demonstrate the input of musical information using the mouse, computer keyboard, and synthesizer keyboard.**
- 3.2 Discuss and demonstrate ways in which MIDI information can be altered and manipulated by the sequencing software.**
- 3.3 Control output of MIDI data from the sequencing software to a synthesizer for performance of a musical work.**

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#### **Unit 4**

##### **General Outcome:**

- 4.0 The student shall: be able to demonstrate understanding of the application of MIDI sequencing software to the production of music through multi-timbral synthesizers.**

##### **Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 4.1 Discuss and demonstrate creation of multi-track, multi-timbral MIDI sequences.**
- 4.2 Interface multi-timbral synthesizers with the computer for the performance of multi-timbral sequences.**
- 4.3 Correctly configure synthesizers for multi-timbral performance using the front panel controls or sound editing software.**
- 4.4 Discuss concepts of electronic orchestration and demonstrate their application in the production and performance of a musical work.**