

Course Outline of Record

1. Course Code: MUS-078A
2.
 - a. Long Course Title: Digital Audio I
 - b. Short Course Title: DIGITAL AUDIO I
3.
 - a. Catalog Course Description:
 This course is an introduction to the history, theory and practice of using computer music software, synthesizers and MIDI (Musical Instrument Digital Interface.) Activities include completing exercises and creating original compositions using synthesizers, computers and computer music software.
 - b. Class Schedule Course Description:
 This course is an introduction to the history, theory and practice of using computer music software, synthesizers and MIDI.
 - c. Semester Cycle (if applicable): *N/A*
 - d. Name of Approved Program(s):
 - MUSIC TECHNOLOGY Certificate of Achievement
4. Total Units: 3.00 Total Semester Hrs: 90.00
 Lecture Units: 2 Semester Lecture Hrs: 36.00
 Lab Units: 1 Semester Lab Hrs: 54.00
 Class Size Maximum: 20 Allow Audit: No
 Repeatability No Repeats Allowed
 Justification 0
5. Prerequisite or Corequisite Courses or Advisories:
Course with requisite(s) and/or advisory is required to complete Content Review Matrix (CCForm1-A)
 Advisory: MUS 021A
6. Textbooks, Required Reading or Software: *(List in APA or MLA format.) N/A*
7. Entrance Skills: *Before entering the course students must be able:*
 - a. Understand and demonstrate major scales
 - b. Understand and demonstrate triads
 - c. Read and perform entry level piano music
8. Course Content and Scope:
 Lecture:

<ol style="list-style-type: none"> 1. Fundamentals of sound (pitch, rhythm, timbre, dynamics) 2. History of the MIDI language and MIDI devices 3. History of music software
--

 Lab: *(if the "Lab Hours" is greater than zero this is required)*

<ol style="list-style-type: none"> 1. Application of specific MIDI techniques to exercises 2. Application of specific MIDI techniques to original music compositions. 3. Application of specific MIDI techniques to video audio tracks

9. Course Student Learning Outcomes:
 1. Create original music compositions using MIDI-based computer software and hardware.
 2. Students will complete and have compositions evaluated during lab time.
 3. Students will be able to use techniques (MIDI exercises) discussed during lectures to create MIDIbased compositions.
 4. Students will include all techniques (MIDI exercises) discussed during lectures in MIDI-based compositions.
10. Course Objectives: *Upon completion of this course, students will be able to:*

MUS 078A-Digital Audio I

- a. Define the fundamentals of musical sound (pitch, rhythm, timbre, dynamics) through discussion and application.
- b. Describe the history and theory of MIDI.
- c. Complete exercises and create original music compositions using MIDI-based computer software and hardware.
- d. Use MIDI-based computer software and hardware to add sound to video.

11. Methods of Instruction: (*Integration: Elements should validate parallel course outline elements*)

- a. Demonstration, Repetition/Practice
- b. Discussion
- c. Laboratory
- d. Lecture

Other Methods:

Audio recordings Video recordings MIDI demonstrations

12. Assignments: (*List samples of specific activities/assignments students are expected to complete both in and outside of class.*)

In Class Hours: 90.00

Outside Class Hours: 72.00

a. In-class Assignments

1. Audio exercise assignments highlighting specific MIDI techniques
2. Audio summary assignments demonstrating a combination of MIDI techniques

b. Out-of-class Assignments

1. Critical listening activities
2. Written analysis/review of audio recordings
3. Audio exercise assignments highlighting specific MIDI techniques
4. Audio summary assignments demonstrating a combination of MIDI techniques

13. Methods of Evaluating Student Progress: *The student will demonstrate proficiency by:*

- Laboratory projects
- Product/project development evaluation
- Other
 - a. Written analysis/review of audio recordings
 - b. Completion of audio exercise assignments highlighting specific MIDI techniques
 - c. Completion of audio summary assignments demonstrating a combination of MIDI techniques
 - d. Student demonstrations
 - e. Written final exam

14. Methods of Evaluating: Additional Assessment Information:

15. Need/Purpose/Rationale -- *All courses must meet one or more CCC missions.*

PO-GE C3 – Arts, Humanities, and Culture

Effectively communicate and express themselves and make themselves understood through visual, auditory, tactile, and symbolic means.

IO - Aesthetics

Apply imagination to artistic expression.

16. Comparable Transfer Course

University System	Campus	Course Number	Course Title	Catalog Year
-------------------	--------	---------------	--------------	--------------

17. Special Materials and/or Equipment Required of Students:

USB-based removable flash memory, minimum size 128 MB

18. Materials Fees: Required Material?

Material or Item	Cost Per Unit	Total Cost
-------------------------	----------------------	-------------------

19. Provide Reasons for the Substantial Modifications or New Course:

Periodic update

20. a. Cross-Listed Course (Enter Course Code): *N/A*
 b. Replacement Course (Enter original Course Code): *N/A*

21. Grading Method (choose one): Letter Grade Only

22. MIS Course Data Elements

- a. Course Control Number [CB00]: CCC000446030
- b. T.O.P. Code [CB03]: 100400.00 - Music
- c. Credit Status [CB04]: D - Credit - Degree Applicable
- d. Course Transfer Status [CB05]: B = Transfer CSU
- e. Basic Skills Status [CB08]: 2N = Not basic skills course
- f. Vocational Status [CB09]: Not Occupational
- g. Course Classification [CB11]: Y - Credit Course
- h. Special Class Status [CB13]: N - Not Special
- i. Course CAN Code [CB14]: *N/A*
- j. Course Prior to College Level [CB21]: Y = Not Applicable
- k. Course Noncredit Category [CB22]: Y - Not Applicable
- l. Funding Agency Category [CB23]: Y = Not Applicable
- m. Program Status [CB24]: 1 = Program Applicable

Name of Approved Program (if program-applicable): MUSIC TECHNOLOGY

Attach listings of Degree and/or Certificate Programs showing this course as a required or a restricted elective.)

23. Enrollment - Estimate Enrollment

First Year: 0
 Third Year: 0

24. Resources - Faculty - Discipline and Other Qualifications:

- a. Sufficient Faculty Resources: Yes
- b. If No, list number of FTE needed to offer this course: *N/A*

25. Additional Equipment and/or Supplies Needed and Source of Funding.

N/A

26. Additional Construction or Modification of Existing Classroom Space Needed. (Explain:)

N/A

27. FOR NEW OR SUBSTANTIALLY MODIFIED COURSES

Library and/or Learning Resources Present in the Collection are Sufficient to Meet the Need of the Students Enrolled in the Course: Yes

28. Originator Scott Smith Origination Date 09/19/16