

Course Outline of Record

1. Course Code: MUS-078C
2.
 - a. Long Course Title: Digital Audio III
 - b. Short Course Title: DIGITAL AUDIO III
3.
 - a. Catalog Course Description:

This course provides advanced applicational experience in computer-based audio and MIDI (Musical Instrument Digital Interface) recording, editing and mixing. Activities include the creation of original music compositions and multimedia presentations using synthesizers, microphones, audio mixers, audio processors, computers and computer music software.
 - b. Class Schedule Course Description:

This course provides advanced applicational experience in computer-based digital audio and MIDI recording.
 - 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)

 Prerequisite: MUS 078B with a minimum grade of C
 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.
Record, edit and mix digital audio using computer-based digital audio recording hardware and software
 - MUS 078B - Record, edit and mix digital audio using computer-based digital audio recording hardware and software.
 - b.
Be able to complete exercises and create basic multi-media presentations using both digital audio and MIDI-based computer software and hardware.
 - MUS 078B - Create basic multimedia presentations using computer-based digital audio and MIDI recording.
 - c.
Define the fundamentals of sound production through discussion and application.
 - MUS 078B - Define the fundamentals of sound production through discussion and application.
 - d. Advisory Skills:
 - e. Understand and demonstrate major scales.
 - f. Understand and demonstrate triads.
 - g. Read and perform entry level piano music.
 - h. Define the fundamentals of music (pitch, rhythm, timbre, dynamics.)

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8. Course Content and Scope:

Lecture:

1. Theory and application of music synthesizers and audio hardware
2. Theory and application of music software
3. Audio recording techniques commensurate with experience
4. Concepts of musical style commensurate with experience

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

1. Application of MIDI and digital audio processing techniques to original compositions and multimedia projects commensurate with experience

9. Course Student Learning Outcomes:

1.

Students will demonstrate the abilities to plan, execute and finalize unique digital audio projects. This includes, but is not limited to, hardware/software selection and choosing techniques of recording and mixing appropriate to the project(s).

2.

Students will demonstrate the ability to utilize all techniques discussed during lectures in computer-based multimedia presentations.

3.

Students will be able to assemble and maintain a typical digital audio workstation

10. Course Objectives: *Upon completion of this course, students will be able to:*

- a. Plan, execute and finalize unique digital audio/multi media presentations
- b. Assemble, operate and maintain a typical Digital Audio workstation.

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

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

Other Methods:

Audio recordings Video recordings Audio demonstrations MIDI demonstrations Live performance/recording

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

Audio composition projects using computer-based audio and MIDI editing techniques. Audio recording and editing projects using computer-based audio recording techniques. Equipment evaluation projects using computer-based audio recording techniques. Workstation development and maintenance.

b. Out-of-class Assignments

Critical listening activities. Written analysis/review of audio recordings Music software installation Music hardware installation. Hardware installation and maintenance

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

- Laboratory projects
- Product/project development evaluation

- Other

- a. Completion of audio composition projects using computer-based audio and MIDI editing techniques
- b. Completion of audio recording projects using computer-based audio recording techniques
- c. Student demonstrations
- d. Assembly of a typical Digital Audio workstation

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.

16. Comparable Transfer Course

University System	Campus	Course Number	Course Title	Catalog Year
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17. Special Materials and/or Equipment Required of Students:

USB-based removable flash memory, recommended 4 gigabyte minimum. Standard CD-R writable CD media.

18. Materials Fees: Required Material?

Material or Item	Cost Per Unit	Total Cost
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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]: CCC000529297
- 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

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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