



MASTER COURSE OUTLINE

A. MUSC 1200 Intro to Digital Audio & Music Production

B. COURSE DESCRIPTION:

This course provides students hands-on experience working with digital audio recording and MIDI (Musical Instrument Digital Interface) software. Students will learn the basics using current D.A.W. (digital audio workstation) software applications, including basics of audio hardware setup, software configuration, MIDI sequencing, and digital audio recording and processing. Prior music experience is not required. No prerequisites; DIGI 1100 recommended. (3 Cr - 3 lect)

C. **Core Theme: Critical Thinking

D. MAJOR CONTENT AREAS:

MIDI (Musical Instrument Digital Interface) setup and operation: 20%

Digital audio recording hardware setup & software operation: 40%

Popular Music History: 10%

Music theory fundamentals: 10%

Music production / performance: 20%

1. Introduction to music elements / fundamentals
2. Introduction to instruments commonly used in popular music
3. Brief history of audio recording technology in the U.S.A.
4. Overview of popular musical styles in the U.S.A. including study of how aesthetic decisions relate to recording technology and cultural values.
5. Hands-on study of Digital Audio Workstation software, including the following core skills
 - a. Setup and troubleshooting hardware, including microphones, digital audio interface, and MIDI keyboard
 - b. Setup and configuring Digital Audio Workstation software
 - c. Recording, importing and editing digital audio and MIDI data
 - d. Configuring and using real-time audio processing plugins
 - e. Configuring and using MIDI software instruments
 - f. Mixing and mastering a song
 - g. Understanding session file architecture and archiving finished sessions

E. GOAL TYPES, OBJECTIVES, AND OUTCOMES:

<u>GOAL</u>	<u>OBJECTIVES</u> Students will be able to:	<u>OUTCOMES</u> The student will successfully:
**Critical Thinking	gather factual information and apply it to a given problem in a manner that is relevant, clear, comprehensive, and conscious of possible bias in the information selected.	1. gather factual information about how to setup and operate Digital Audio Workstation software and apply this information to the problem of creating a piece of music in a way that clearly communicates particular aesthetic values.
CS	setup hardware for audio recording and for MIDI performance capture	1. demonstrate proficiency at setting up microphone, MIDI interface, and digital audio interface.
CS	record and edit MIDI data and live audio using Digital Audio Workstation software	1. demonstrate proficiency at recording MIDI data and live audio using Digital Audio Workstation software.
CS	use software instruments to select and edit MIDI timbres / sounds	1. demonstrate proficiency at configuring MIDI software instruments (AU, RTAS, AAX, or VST format) using Digital Audio Workstation software.
CS	use software plug-ins to process audio data	1. demonstrate proficiency at configuring audio plugins (AU, RTAS, AAX, or VST format) using Digital Audio Workstation software
CS	respond critically to works in the arts and humanities	1. respond to popular music examples in terms of their technical construction and social content.
CS	engage in the creative process or interpretive performance	1. perform, record and produce a finished audio recording of a song with an awareness of historical and cultural background.
CS	articulate an informed personal reaction to works in the arts and humanities.	1. reflect on their reaction to pieces of music.

F. SPECIAL INFORMATION:

Students will need to have access to a computer with Digital Audio Workstation software, a digital audio interface, and a MIDI keyboard. This equipment should be available in the campus Mac computer lab during open lab hours. If students are not able to be on campus to complete assignments, they may complete them on their own personal computers--subject to the approval of the instructor--if they have the appropriate hardware and software available on their home computers. Students are encouraged to get a USB flash drive OR a portable FireWire hard drive in order to transport large audio files. Students who have a disability and need accommodations should contact their instructor or the Student Success Center at the beginning of the semester.

G. COURSE CODING INFORMATION: Course Code A/Class Maximum 48; Letter Grade.

Revision date: 8/26/2014; 3/20/18

AASC Approval date: 4/17/18

*Riverland Community College Disciplines	MnTC Goal Number
Communication	1
Natural Sciences	3
Mathematics/Logical Reasoning	4
History and the Social & Behavioral Sciences	5
Humanities and Fine Arts	6

**Riverland Community College Core Themes	MnTC Goal Number
Critical Thinking	2
Human Diversity	7
Global Perspective	8
Ethical and Civic Responsibility	9
People and the Environment	10

*These five MnTC Goals have been identified as Riverland Community College Disciplines.

** These five MnTC Goals have been identified as Riverland Community College Core Themes.

***The Minnesota Transfer Curriculum “10 Goal Areas of Emphasis” are reflected in the five required discipline areas and five core themes noted in the Riverland Community College program of study guide and/or college catalog.