

# Bemidji State University

## MUS 3501: Music Technology I

### A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Learning and demonstration of the multiple uses of music technology through Musical Instrument Digital Interface (MIDI) basics, including MIDI theory, synthesizer exploration and ensemble, sequencing and notation and their relationships to music education, performance, and composition. Technical concepts include synthesis manipulation, real and step time sequencing, auto-sequencing programs, and desktop music notation publishing programs. Musical concepts include compositional and orchestration techniques, improvisation, and basic keyboard ensemble performance. Completion of this course with a grade of "C" or better is required for all music degrees. Prerequisites: Basic computer skills, music reading in treble and bass clefs, and playing melodies on a piano keyboard

**B. COURSE EFFECTIVE DATES:** 02/26/2003 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. 7 Areas of Music Technology
2. Digital Audio
3. History of Electronic Music
4. MIDI Sequencing I, II, & III
5. MIDI Theory
6. Music Technology Internet Research
7. Notation I, II, III, IV, & V
8. Simulated Musical Accompaniment

### D. LEARNING OUTCOMES (General)

1. obtain a thorough understanding of MIDI and its relationship to music technology.
2. learn how to successfully implement music technology to utilize the nine National Standards for Arts Education as defined by MENC into a music education curriculum.
3. manipulate audio, music and MIDI files in the digital domain.
4. gain the understanding and knowledge to setup, maintain and troubleshoot technical problems synthesizers, various music software programs, MIDI and digital audio interfaces in a basic networked computer lab setting.
5. create and manipulate MIDI and musical data demonstrating basic notation, real & step time sequencing, simulated musical accompaniment, digital audio recording, editing and transferring as they pertain to musical compositions, accompaniments, performances and improvisations.
6. acquire skills to successfully notate various study scores and using desktop music notation publishing software programs.
7. learn how to musically utilize the Internet including evaluating music CAI (Computer Assisted Instruction) software in relation to music education.

**E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted