INSTRUCTOR: _____________________________

OFFICE HOURS: __________________________

I. INTRODUCTION

A. Introduction to the use of synthesizers, computers, sequencing and music printing software, multi-track recorders and other MIDI (Music Instrument Digital Interface) devices in the notation, arrangement, composition and performance of music. Prerequisite should be either the completion of a Music Fundamentals, Music Theory, Private Piano, or Class Piano Course.

B. Each semester work is begun on understanding Musical Instrument Digital Interface (MIDI) as means of sequencing, editing, and notating music.

II. LEARNING OUTCOMES

Upon successful completion of this course, Electronic Music I, the student will be able to:

A. Acquire and/or enter MIDI data.

B. Acquire the tools to continue to improve the ability to edit the MIDI language.

C. The student acquires the skills through the study and application of the electronic synthesis and Musical Instrument Digital Interface for synthesis performance and notation.

III. INSTRUCTIONAL MATERIALS

The instructional materials identified for this course are viewable through www.ctcd.edu/books

A. It is advisable to purchase dictionaries for all area of music sung or studied, preferably one with the International Phonetic Alphabet. Italian and German in the Fall, and French in the Spring.

IV. COURSE REQUIREMENTS

A. To attend class regularly.
V. EXAMINATIONS

A. There will be two major exams. A review will be conducted in class before each exam.
B. A student must be present for all examinations. No make-up exams will be given. Students who know in advance they will be absent from an examination due to valid reasons, must arrange to take an early exam. Unexpected absences due to illness or extenuating circumstances will require the student to see the instructor about individual make-up work in lieu of the missed examination.
C. Students without excused absences will be given a zero for the examination missed.
D. There will be two major projects applying the concepts of MIDI to synthesis and notation.

VI. SEMESTER GRADE COMPUTATIONS

Class attendance, effort, preparation, and participation 15%
Mid-term test 25%
Final test 25%
Homework assignments 15%
Two projects 20%
A student must take the final examination to receive a grade for the course.

VII. NOTES AND ADDITIONAL INSTRUCTIONS FROM COURSE INSTRUCTOR

A. Course Withdrawal: It is the student’s responsibility to officially withdraw from a course if circumstances prevent attendance. Any student who desires to, or must, officially withdraw from a course after the first scheduled class meeting must file a Central Texas College Application for Withdrawal (CTC Form 59). The withdrawal form must be signed by the student.
CTC Form 59 will be accepted at any time prior to Friday of the 12th week of classes during the 16-week fall and spring semesters. The deadline for sessions of other lengths is:

- 10-week session Friday of the 8th week
- 8-week session Friday of the 6th week
- 5-week session Friday of the 4th week

The equivalent date (75% of the semester) will be used for sessions of other lengths. The specific last day to withdraw is published each semester in the Schedule Bulletin.

A student who officially withdraws will be awarded the grade of “W” provided the student’s attendance and academic performance are satisfactory at the time of official withdrawal. Students must file a withdrawal application with the College before they may be considered for withdrawal.

A student may not withdraw from a class for which the instructor has previously issued the student a grade of “F” or “FN” for nonattendance.

B. Administrative Withdrawal: An administrative withdrawal may be initiated when the student fails to meet College attendance requirements. The instructor will assign the appropriate grade on CTC Form 59 for submission to the registrar.

C. Incomplete Grade: The College catalog states, “An incomplete grade may be given in those cases where the student has completed the majority of the coursework but, because of personal illness, death in the immediate family, or military orders, the student is unable to complete the requirements for a course. . .” Prior approval from the instructor is required before the grade of “I” for Incomplete
is recorded. A student who merely fails to show for the final examination will receive a zero for the final and an “F” for the course.

D. Cellular Phones and Beepers: Cellular phones and beepers will be turned off while the student is in the classroom or laboratory.

E. American’s With Disabilities Act (ADA): Disability Support Services provides services to students who have appropriate documentation of a disability. Students requiring accommodations for class are responsible for contacting the Office of Disability Support Services (DSS) located on the central campus. This service is available to all students, regardless of location. Explore the website at www.ctcd.edu/disability-support for further information. Reasonable accommodations will be given in accordance with the federal and state laws through the DSS office.

F. Instructor Discretion: The instructor reserves the right of final decision in course requirements.

G. Civility: Individuals are expected to be cognizant of what a constructive educational experience is and respectful of those participating in a learning environment. Failure to do so can result in disciplinary action up to and including expulsion.

H. Guests in Classrooms: Adult guests may visit a class with the prior permission of the instructor. Children are not to be brought to any class or the studio areas
VIII. COURSE OUTLINE

A. Lesson One:

1. Learning Outcomes: Upon successful completion of this lesson the student will be able to:
   1. Define the elements of MIDI
   2. Define of the elements of sound.
   3. Be familiar with basic language of synthesis

2. Learning Activities:
   1. Lecture
   2. Keyboard Exploration

3. Equipment and Materials
   1. As Appropriate

4. Audio Visual Aids
   1. Keyboard/ Computer lab
   2. Stereo/Tape/CD player

5. Lesson Outline:
   1. Elements of music
   2. Instruments of the orchestra
   3. Basic forms in musicMUSI-1307

B. Lesson Two:

1. Learning Outcomes: Upon successful completion of this lesson the student will be able to:
   1. Input MIDI Note Data
   2. Manipulate/edit MIDI Note Data
   3. Understand the concept of sequence.

2. Learning Activities:
   1. Lecture
   2. Input MIDI Note Data
   3. Manipulate/edit MIDI Note Data
   4. Assign first Project (Notation)

3. Equipment and Materials
   1. As Appropriate

4. Audio Visual Aids
   1. Keyboard/ Computer lab
   2. Stereo/Tape/CD player
   3. Instructor - prepared handouts

5. Lesson Outline:
   1. Overview of Sequencing
   2. Listen and watch various visual renderings of sequences
   3. Explore edit procedures for sequences

C. Lesson Three:

1. Learning Outcomes: Upon successful completion of this lesson the student will be able to:
1. Understand MIDI input and synthesized instrument selection
2. Understand Standard vs. General MIDI files and Instrumentation files
3. Know characteristics of General MIDI Instrument groupings

2. Learning Activities:
   1. Lecture
   2. Explore MIDI standard
   3. Explore MIDI General
   4. Test covering materials in Lesson One and Two.
   5. Project I turn in and Assign Final Project

3. Equipment and Materials
   1. As Appropriate

4. Audio Visual Aids
   1. Keyboard/Computer lab
   2. Stereo/Tape/CD player
   3. Instructor - prepared handouts

D. Lesson Four:

1. Learning Outcomes: Upon successful completion of this lesson the student will be able to:
   1. Enter, Edit, and Render a MIDI Sequence in Notation and Performance
   2. Recognize various visual representations of MIDI Data
   3. Know General MIDI Channels and Instrument Groups

2. Learning Activities:
   1. Lecture
   2. Explore complex sequence
   3. Examine and Edit sequence in multiple visual representations
   4. Test covering materials in Lesson Three and FourMUSI-1307

3. Equipment and Materials
   1. As Appropriate

4. Audio Visual Aids
   1. Keyboard/Computer lab
   2. Stereo/Tape/CD player
   3. Instructor - prepared handouts

5. Lesson Outline:
   1. Complex sequences
   2. Editing sequences in multiple visual representations
   3. Final Project Turn in.