# REC 125: DIGITAL AUDIO TECHNOLOGY I

## Citrus College Course Outline of Record

| Heading | Value |
| --- | --- |
| Effective Term: | Fall 2021 |
| Credits: | 3 |
| Total Contact Hours: | 80 |
| Lecture Hours : | 54 |
| Lab Hours: | 26 |
| Hours Arranged: | 0 |
| Outside of Class Hours: | 108 |
| Prerequisite: | REC 100, REC 103, and REC 140. |
| Corequisite: | REC 105, REC 115, REC 135, and REC 145. |
| Strongly Recommended: | SPCH 100 or have passed a Multiple Measures Skills assessment. |
| Transferable to CSU: | Yes |
| Transferable to UC: | No |
| Grading Method: | Standard Letter |

## Catalog Course Description

This course is the study and implementation of MIDI technology in the audio recording industry. The course covers standard software sequencers, controllers, modules, soft-synths and applications of the technology in the industry. 54 lecture hours, 36 lab hours.

## Course Objectives

- apply MIDI concepts to the recording process
- apply sampling technology to the recording process
- implement current proprietary hardware/software to the recording process

## Major Course Content

1. MIDI concepts and principles
2. MIDI workstation and components
3. Industry standard sequencing programs
4. Recording, editing and mixing MIDI data in a sequencer
5. Converting MIDI information to Audio Files
6. Recording, editing and mixing audio in sequencing programs
7. MIDI sequencing with video clips and timecode

## Lab Content

1. MIDI workstation operations and troubleshooting..
2. Introduction to MIDI sequencers, session set-up & applications.
3. Sequencing MIDI information, the sequencer's mixing board, and file management.
4. Controllers, sound modules and soft-synth applications.
5. Converting MIDI files to audio files.

6. MIDI and audio editing techniques, use of MIDI and audio plug-ins, automation usage.
7. Sequencing music and sound effects with MIDI to picture.

## Suggested Reading Other Than Required Textbook

Industry periodicals and journals.

## Examples of Required Writing Assignments

Students will complete a four-page essay analyzing the use of MIDI and digital technology in the preparation of music mock-ups for industry clients.

## Examples of Outside Assignments

Students will resource digital media for use in individual and group projects.

## Instruction Type(s)

Lecture, Lab, Online Education Lecture, Online Education Lab