

MTEC 60B: PRODUCING IN THE HOME STUDIO II

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Summer 2021
Units:	4
Hours:	3 lecture, 3 laboratory per week (72 total per quarter)
Advisory:	Not open to students with credit in MUS 60B.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Description

In-depth operation of an audio/video recording studio in a small environment. Microphone selection and placement, creative sound treatments in non-traditional environments, and application of plug-in effects. Use of auxiliary tracks and busses. Mixing and mastering in various digital formats.

Course Objectives

The student will be able to:

- Manage different configurations of an acoustic environment in an alternative space.
- Operate a recording/production system using computer based software and hardware.
- Integrate virtual instruments into the production system.
- Integrate non-digital equipment such as microphones and transducers into a digital production system.
- Mix and master an original recording and format it for both CD and mp3 delivery.

Course Content

- Intermediate operation of a non-traditional recording system.
 - Acoustic treatments in various configurations.
 - Recording techniques and microphone placement.
 - Multi-take recording and composite tracks.
- Audio hardware operation.
 - Digital and virtual mixers.
 - Condenser vs. dynamic microphones.
 - Use multiple external firewire drives.
- Software selection and use.
 - Audio based production software.
 - Virtual instruments in the production environment.
 - Rewire and multiple program operation.

Lab Content

- Creating digital sessions in Pro Tools.
- Adding auxiliary tracks.
- Creating bus sends to FX tracks.

- Designating and adding plug-ins to FX tracks.
- Bouncing sessions to stereo audio files in all formats (.wav, .M4A, etc.)
- FTP sessions and files to a remote server.

Special Facilities and/or Equipment

- When taught on campus:
 - 30 Macintosh computers.
 - 30 MIDI keyboards and MIDI interfaces.
 - 30 Avid M-Box USB audio interfaces.
 - 30 Pro Tools software installs.
 - Video projector and screen.
- When taught via Foothill Global Access:
 - On-going access to computer with Email software and capabilities.
 - Email address.
 - JavaScript enabled internet browsing software.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

- Evaluated original recordings
- Weekly quizzes and skills checks
- Written evaluations of software and hardware combinations
- Graded recording assignments in various formats

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

- Lecture presentations and discussion using the language of audio technology
- Lab assignments in audio production

Representative Text(s) and Other Materials

Huber, David Miles. [Modern Recording Techniques, 9th ed.](#). 2017.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

- Written critiques and analyses of audio production projects including albums, soundtracks, television, video games and internet multimedia.
- Written summaries documenting technical and artistic elements for corresponding submitted assignments and audio projects.
- Written proposals, session logs, learning outcomes and reflections supporting submitted musical works and final master recordings.

Discipline(s)

Commercial Music