MUSIC186 : Pro Tools 110

General Information

Author:	• Tobin Sparfeld
Course Code (CB01) :	MUSIC186
Course Title (CB02) :	Pro Tools 110
Department:	MUSIC
Proposal Start:	Fall 2024
TOP Code (CB03) :	(1005.00) Commercial Music
CIP Code:	(10.0203) Recording Arts Technology/Technician.
SAM Code (CB09) :	Clearly Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000579321
Curriculum Committee Approval Date:	11/08/2023
Board of Trustees Approval Date:	01/09/2024
Last Cyclical Review Date:	11/08/2023
Course Description and Course Note:	MUSIC 186 is an intermediate course in the essential principles and operation of Pro Tools software. Intermediate software configuration, operation, and features are covered all the way from project creation to session completion. Students build skills through hands on Pro Tools projects that include customizing setups, working with external controllers, managing session data and media, loop recording MIDI (musical instrument digital interface) and audio, using virtual instruments and Elastic Audio, working with Beat Detective and Audio Suite, and using intermediate editing, automation, and mixing techniques. This course is the second course in the Pro Tools Operator certification program and prepares students for the Pro Tools 110 certification exam, which may be taken at the conclusion of the course.
Justification:	Mandatory Revision
Academic Career:	• Credit
Author:	• Tobin Sparfeld

Academic Senate Discipline

Primary Discipline:	• Music
Alternate Discipline:	
Alternate Discipline:	

Course Development

Basic Skill Status (CB08)

Course is not a basic skills course.

☐ Allow Students to Gain Credit by Exam/Challenge

Course Special Class Status (CB13)

Course is not a special class.

Pre-Collegiate Level (CB21)

Not applicable.

Grading Basis

- Grade with Pass / No-Pass Option

Course Support Course Status (CB26)

Course is not a support course

Transferability & Gen. Ed. Options

General Education Status (CB25)

Not Applicable

Transferability

Transferable to CSU only

Transferability Status

Approved

Units and Hours

Summary

Minimum Credit Units (CB07)	1.5
Maximum Credit Units (CB06)	1.5
Total Course In-Class (Contact) Hours	27
Total Course Out-of-Class Hours	54
Total Student Learning Hours	81

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

☐ Variable Credit Course

Funding Agency Category (CB23)

Not Applicable.

☐ Cooperative Work Experience Education Status (CB10)

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	1.5	3
Laboratory Hours	0	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	0
Course In-Class (Contact) Hours	
Lecture	27

Laboratory	0
Studio	0
Total	27

Course Out-of-Class Hours

Lecture	54
Laboratory	0
Studio	0
Total	54

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Pre-requisites, Co-requisites, Anti-requisites and Advisories

Prerequisite

MUSIC185 - Pro Tools 101

Objectives
- Describe what Pro Tools software is.
- Describe the differences in Pro Tools configurations and options.
- Demonstrate proper file and session structure management.
- Operate and configure Pro Tools sessions.
- Demonstrate basic audio recording.
- Demonstrate audio, MIDI, and video importing.
- Demonstrate MIDI recording and management.
- Operate virtual instruments and real-time plug-ins.
- Manipulate regions, markers, and fades.
- Demonstrate basic mixing and automation techniques.
- Produce session backups and mix downs.
- Complete hands-on Pro Tools projects.

Entry Standards

Entry Standards

No value

Course Limitations

Cross Listed or Equivalent Course

No value

Specifications

Methods of Instruction

Methods of Instruction	Lecture
Methods of Instruction	Laboratory
Methods of Instruction	Multimedia
Methods of Instruction	Demonstrations
Methods of Instruction	Field Activities (Trips)
Methods of Instruction	Guest Speakers
Methods of Instruction	Presentations

Out of Class Assignments

- Reading
- Listening and analysis
- Exercises
- Projects

Methods of Evaluation	Rationale
Activity (answering journal prompt, group activity)	Group Activities/presentations
Project/Portfolio	Project evaluations
Exam/Quiz/Test	Midterm examinations
Exam/Quiz/Test	Final examinations

Textbook Rationale

No Value

Textbooks

Author	Title	Publisher	Date	ISBN
Cook, Frank	Pro Tools 110 : Pro Tools Fundamentals II / Version 12.8	Avid Technologies	2017	9781943446490

Other Instructional Materials (i.e. OER, handouts)

No Value

Materials Fee

No value

Learning Outcomes and Objectives

Course Objectives

Design customized Pro Tools session setups.

Distinguish the differences in various external controllers for Pro Tools.

Demonstrate file and session data management with Digi Base browsers.

Manipulate region groups.

Demonstrate intermediate audio and MIDI recoding setups and techniques.

Operate loop recording and playback features of Pro Tools.

Manipulate regions using Elastic Audio.

Operate plug-in and stand-alone virtual instruments.

Manipulate MIDI and audio with editing and time-adjusting techniques.

Apply fades, color coding, and region loops.

Operate Beat Detective and apply Audio Suite processing.

Demonstrate automation modes, views, implementation and editing.

Demonstrate intermediate signal routing, signal processing, and mixing techniques.

Complete hands-on Pro Tools projects.

SLOs

Operate the essential setup, display, and routing options of Pro Tools software.

Expected Outcome Performance: 70.0

Demonstrate intermediate audio and MIDI recording and editing techniques in Pro Tools.

Expected Outcome Performance: 70.0

Complete Pro Tools projects that utilize intermediate editing, signal processing, automation, and mixing techniques.

Expected Outcome Performance: 70.0

Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?
No

Is this proposal submitted in response to learning outcomes assessment data?
No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.
No Value

SLO Evidence
No Value

Course Content

Lecture Content

Pro Tools Setup and Options (2 hours)
- Customizing session input/output setup
- Customizing session MIDI setup
- Routing MIDI
- Display options
- Optimizing host-based performance and hardware settings

Controlling Pro Tools (3 hours)
- Control surfaces
- Work surfaces
- Performance controllers

Managing Session Data and Media Files (2 hours)
- Pro Tools LE capabilities
- DigiBase and DigiBase Pro
- Importing files and session data
- Region groups

Recording MIDI and Audio (2 hours)
- Recording selections and session setup
- MIDI input recording options
- Loop recording MIDI and audio
- Auditioning loop recorded take

Working with Timebases, Elastic Audio, and Virtual Instruments (3 hours)
- Understanding track timebases
- Elastic audio basics
- Using plug-in and stand-alone virtual instruments

Editing and Time-Adjusting MIDI and Audio (2 hours)
- MIDI track views
- Elastic Audio track views
- Quantizing material
- MIDI real-time properties

Audio Editing and File Management (2 hours)
- Working with fades
- Working with AudioSuite
- Working with the region list

Editing Techniques (3 hours)
- Track color coding
- Region looping
- Grid editing

Automation (3 hours)
- Automation modes
- Enabling and suspending automation
- Playing and viewing automation
- Graphical editing of automation data
- Cutting, copying, and pasting automation data
- Deleting breakpoint automation data

Mixing (5 hours)
- Inserts, sends, and returns
- Using the plug-in window
- Working with submasters
- Using RTAS (real time Audio Suite) plug-ins
- Master faders
- Track grouping

Total hours: 27