

MUSIC187 : Pro Tools I

General Information

Author:	<ul style="list-style-type: none">Tobin Sparfeld
Course Code (CB01) :	MUSIC187
Course Title (CB02) :	Pro Tools I
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) :	CCC000608695
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 187 is an introductory course in the principles and operation of Pro Tools software. Students learn about fundamental software configuration, operation, and features from project creation to session completion. Students build skills through hands on Pro Tools projects that include audio and MIDI (musical instrument digital interface) recording, mixing, editing, effects processing, external controllers and the use of virtual instruments. Students use Pro Tools in a variety of contexts including music and post, multitrack mixing, music production and creation. This course also prepares students for the optional Pro Tools User certification exam in Pro Tools 101 and 110. The certification exam may be taken at the conclusion of the course. Note: Students who take MUS 187 cannot take MUS 185 or 186.
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none">Credit
Author:	<ul style="list-style-type: none">Tobin Sparfeld

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none">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) 3

Maximum Credit Units (CB06) 3

Total Course In-Class (Contact) Hours 54

Total Course Out-of-Class Hours 108

Total Student Learning Hours 162

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	3	6
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	54

Laboratory	0
Studio	0
Total	54

Course Out-of-Class Hours

Lecture	108
Laboratory	0
Studio	0
Total	108

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

Advisory

MUSIC178 - Introduction To Recording

Objectives

- Summarize the different roles and processes involved in recording.
- Describe the principles of signal processing.
- Explain microphone designs, characteristics, and applications.
- Describe current audio recording procedures.
- Explain sound, hearing, and acoustics concepts.
- Discuss the differences in studio types and designs.
- Explain the processes and equipment involved in analog recording.
- Explain the processes, hardware, and software used in digital recording.
- Explain current audio formats.
- Describe audio console operation and basic mixing concepts.
- Discuss speakers and monitoring concepts.
- Summarize the mastering process and mastering techniques.
- Recognize current methods of audio product manufacturing.
- Explain proper signal flow in a recording system.
- Describe common editing procedures and possibilities for recorded audio.

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

Discussion

Methods of Instruction

Multimedia

Methods of Instruction

Collaborative Learning

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 (e.g. listening to Sgt. Pepper's Lonely Hearts Club Band and providing a description of recording techniques that are heard)
- Exercises (e.g. edit and rearrange the words of recorded dialogue in a DAW)
- Projects (e.g. mix and bounce a multi-track session including the application of appropriate signal processing)

Methods of Evaluation

Other

Exam/Quiz/Test

Evaluation

Exam/Quiz/Test

Exam/Quiz/Test

Rationale

Class discussions

Quizzes

Project evaluations

Midterm examinations

Final examinations

Textbook Rationale

No Value

Textbooks

Author

Title

Publisher

Date

ISBN

Cook, Frank

Pro Tools 101 Pro Tools
Fundamentals I

Avid

2022

9781943446476

Cook, Frank

Pro Tools Fundamentals II

Avid Technology

2022

9781943446995

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

No Value

Materials Fee

No value

Learning Outcomes and Objectives

Course Objectives

Describe what Pro Tools software is.

Configure a Pro Tools hardware and software system.

Demonstrate proper file and session management.

Operate and configure Pro Tools sessions.

Demonstrate audio and Musical Instrument Digital Interface (MIDI) recording techniques.

Demonstrate audio, Musical Instrument Digital Interface (MIDI), and video import.

Operate virtual instruments and real-time plugins.

Demonstrate basic mixing, signal routing, and automation techniques.

Manipulate clips, markers, fades, notes, tempo, timing and pitch.

Demonstrate editing techniques for audio, Musical Instrument Digital Interface (MIDI), and video.

Produce session bounces, backups, and mix downs.

Complete hands-on Pro Tools projects.

SLOs

Identify the fundamental elements, features, and capabilities of Pro Tools software set and its various related hardware systems.

Expected Outcome Performance: 70.0

Operate the set-up, editing, and file management features of Pro Tools software.

Expected Outcome Performance: 70.0

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

Expected Outcome Performance: 70.0

Complete Pro Tools projects that utilize 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 Introduction (4 hours)

- Pro Tools systems, configurations and options
- Digital audio basics
- File structure and formats

Pro Tools Elements (6 hours)

- Navigation
- Playback
- Creating a session

Basic Recording (11 hours)

- Track types
- Audio recording and setup
- MIDI recording setup and virtual instruments

Importing Media (1 hour)

Basic Editing Techniques in Pro Tools (7 hours)

Basic Pro Tools Mixing (11 hours)

- Topology
- Signal flow
- Inserts and sends
- Real time plugins

Customizing Pro Tools (1 hour)

- Optimizing performance
- I/O setup
- Control surfaces

Further Recording (4 hours)

- Loop recording
- Punch in recording
- Overdubbing

Track Timbases, Elastic Audio, and Virtual Instruments (4 hours)

Further Mixing (4 hours)

- Working with submasters
- Track grouping
- Automation

Finishing a Project (1 hour)

- Creating a backup

- Bouncing

Total hours: 54