



COURSE OUTLINE : MUSIC 186
D Credit – Degree Applicable
COURSE ID 010111
Cyclical Review: September 2020

COURSE DISCIPLINE : MUSIC
COURSE NUMBER : 186
COURSE TITLE (FULL) : Pro Tools 110
COURSE TITLE (SHORT) : Pro Tools 110

CATALOG DESCRIPTION

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. The certification exam may be taken at the conclusion of the course.

Total Lecture Units: 1.50

Total Laboratory Units: 0.00

Total Course Units: 1.50

Total Lecture Hours: 27.00

Total Laboratory Hours: 0.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 27.00

Total Out-of-Class hours: 54.00

Prerequisite: MUSIC 185 or equivalent.



COURSE OUTLINE : MUSIC 186

D Credit – Degree Applicable

COURSE ID 010111

Cyclical Review: September 2020

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	MUSIC	185	Pro Tools 101	Describe what Pro Tools software is;	Yes
2	MUSIC	185	Pro Tools 101	describe the differences in Pro Tools configurations and options;	Yes
3	MUSIC	185	Pro Tools 101	demonstrate proper file and session structure management;	Yes
4	MUSIC	185	Pro Tools 101	operate and configure Pro Tools sessions;	Yes
5	MUSIC	185	Pro Tools 101	demonstrate basic audio recording;	Yes
6	MUSIC	185	Pro Tools 101	demonstrate audio, MIDI, and video importing;	Yes
7	MUSIC	185	Pro Tools 101	demonstrate MIDI recording and management;	Yes
8	MUSIC	185	Pro Tools 101	operate virtual instruments and real-time plug-ins;	Yes
9	MUSIC	185	Pro Tools 101	manipulate regions, markers, and fades;	Yes
10	MUSIC	185	Pro Tools 101	demonstrate basic mixing and automation techniques;	Yes
11	MUSIC	185	Pro Tools 101	produce session backups and mix downs;	Yes
12	MUSIC	185	Pro Tools 101	complete hands-on Pro Tools projects.	Yes

EXIT STANDARDS

- 1 Design customized Pro Tools session setups;
- 2 distinguish the differences in various external controllers for Pro Tools;
- 3 demonstrate file and session data management with Digi Base browsers;
- 4 manipulate region groups;
- 5 demonstrate intermediate audio and MIDI recording setups and techniques;
- 6 operate loop recording and playback features of Pro Tools;
- 7 manipulate regions using Elastic Audio;
- 8 operate plug-in and stand-alone virtual instruments;
- 9 manipulate MIDI and audio with editing and time-adjusting techniques;
- 10 apply fades, color coding, and region loops;
- 11 operate Beat Detective and apply Audio Suite processing;
- 12 demonstrate automation modes, views, implementation and editing;
- 13 demonstrate intermediate signal routing, signal processing, and mixing techniques;
- 14 complete hands-on Pro Tools projects.



COURSE OUTLINE : MUSIC 186

D Credit – Degree Applicable

COURSE ID 010111

Cyclical Review: September 2020

STUDENT LEARNING OUTCOMES

- 1 operate the essential setup, display, and routing options of Pro Tools software
- 2 demonstrate intermediate audio and MIDI recording and editing techniques in Pro Tools
- 3 complete Pro Tools projects that utilize intermediate editing, signal processing, automation, and mixing techniques

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Pro Tools Setup and Options <ul style="list-style-type: none"> • Customizing session input/output setup • Customizing session MIDI setup • Routing MIDI • Display options • Optimizing host-based performance and hardware settings 	2	0	2
2	Controlling Pro Tools <ul style="list-style-type: none"> • Control surfaces • Work surfaces • Performance controllers 	3	0	3
3	Managing Session Data and Media Files <ul style="list-style-type: none"> • Pro Tools LE capabilities • DigiBase and DigiBase Pro • Importing files and session data • Region groups 	2	0	2
4	Recording MIDI and Audio <ul style="list-style-type: none"> • Recording selections and session setup • MIDI input recording options • Loop recording MIDI and audio • Auditioning loop recorded take 	2	0	2
5	Working with Timebases, Elastic Audio, and Virtual Instruments <ul style="list-style-type: none"> • Understanding track timebases • Elastic audio basics • Using plug-in and stand-alone virtual instruments 	3	0	3
6	Editing and Time-Adjusting MIDI and Audio <ul style="list-style-type: none"> • MIDI track views • Elastic Audio track views • Quantizing material • MIDI real-time properties 	2	0	2
7	Audio Editing and File Management <ul style="list-style-type: none"> • Working with fades • Working with AudioSuite • Working with the region list 	2	0	2



COURSE OUTLINE : MUSIC 186

D Credit – Degree Applicable

COURSE ID 010111

Cyclical Review: September 2020

8	Editing Techniques • Track color coding • Region looping • Grid editing	3	0	3
9	Automation • 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	3	0	3
10	Mixing • Inserts, sends, and returns • Using the plug-in window • Working with submasters • Using RTAS (real time Audio Suite) plug-ins • Master faders • Track grouping	5	0	5
				27

OUT OF CLASS ASSIGNMENTS

- 1 reading;
- 2 listening and analysis;
- 3 exercises;
- 4 projects.

METHODS OF EVALUATION

- 1 participation;
- 2 project evaluations;
- 3 midterm examinations;
- 4 final examinations.

METHODS OF INSTRUCTION

- Lecture
- Laboratory
- Studio
- Discussion
- Multimedia
- Tutorial



COURSE OUTLINE : MUSIC 186

D Credit – Degree Applicable

COURSE ID 010111

Cyclical Review: September 2020

- Independent Study
- Collaboratory Learning
- Demonstration
- Field Activities (Trips)
- Guest Speakers
- Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
Pro Tools 110: Pro Tools Fundamentals II / Version 12.8	Required	Avid Technologies		Print	Cook, Frank	9781943446490	2017