

COURSE OUTLINE**Music 186  
Pro Tools 110****I. Catalog Statement**

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: 0.5

Total Studio Units: 0.5

**Total Course Units: 1.0**

Total Lecture Hours: 8.0

Total Studio Hours: 16.0

**Total Faculty Contact Hours: 24.0**

Prerequisite: MUSIC 185 or equivalent.

**II. Course Entry Expectations**

Skills Level Ranges: Reading 5; Writing 5; Listening/Speaking 5; Math 2

Prior to enrolling in this course, the student should be able to:

1. describe what Pro Tools software is;
2. describe the differences in Pro Tools configurations and options;
3. demonstrate proper file and session structure management;
4. operate and configure Pro Tools sessions;
5. demonstrate basic audio recording;
6. demonstrate audio, MIDI, and video importing;
7. demonstrate MIDI recording and management;
8. operate virtual instruments and real-time plug-ins;
9. manipulate regions, markers, and fades;

10. demonstrate basic mixing and automation techniques;
11. produce session backups and mixdowns;
12. complete hands-on Pro Tools projects.

### **III. Course Exit Standards**

Upon successful completion of the required coursework, the student will be able to:

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 DigiBase browsers;
4. manipulate region groups;
5. demonstrate intermediate audio and MIDI recoding setups and techniques;
6. operate loop recoding 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.

### **IV. Course Content**

**Total Faculty Contact Hours = 24**

A. Pro Tools Setup and Options	Lecture 1 hour
1. Customizing session input/output setup	Studio 1 hour
2. Customizing session MIDI setup	
3. Routing MIDI	
4. Display options	
5. Optimizing host-based performance and hardware settings	
B. Controlling Pro Tools	Lecture .5 hour
1. Control surfaces	Studio 2 hours
2. Work surfaces	
3. Performance controllers	
C. Managing Session Data and Media Files	Lecture 1 hour
1. Pro Tools LE capabilities	Studio 1 hour
2. DigiBase and DigiBase Pro	
3. Importing files and session data	
4. Region groups	
D. Recording MIDI and Audio	Lecture .5 hour
1. Recording selections and session setup	Studio 1.5 hours
2. MIDI input recording options	
3. Loop recording MIDI and audio	
4. Auditioning loop recorded take	

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|---|-------------------------------------|
| E. Working with Timebases, Elastic Audio, and Virtual Instruments | Lecture .5 hour<br>Studio 2 hours   |
| 1. Understanding track timebases                                  |                                     |
| 2. Elastic audio basics   |                                     |
| 3. Using plug-in and stand-alone virtual instruments              |                                     |
| F. Editing and Time-Adjusting MIDI and Audio                      | Lecture .5 hour<br>Studio 1.5 hours |
| 1. MIDI track views   |                                     |
| 2. Elastic Audio track views                                      |                                     |
| 3. Quantizing material  |                                     |
| 4. MIDI real-time properties                                      |                                     |
| G. Audio Editing and File Management                              | Lecture 1 hour<br>Studio 1 hour     |
| 1. Working with fades   |                                     |
| 2. Working with AudioSuite  |                                     |
| 3. Working with the region list                                   |                                     |
| H. Editing Techniques   | Lecture 1 hour<br>Studio 1 hour     |
| 1. Track color coding   |                                     |
| 2. Region looping   |                                     |
| 3. Grid editing   |                                     |
| I. Automation   | Lecture 1 hour<br>Studio 2 hours    |
| 1. Automation modes   |                                     |
| 2. Enabling and suspending automation                             |                                     |
| 3. Playing and viewing automation                                 |                                     |
| 4. Graphical editing of automation data                           |                                     |
| 5. Cutting, copying, and pasting automation data                  |                                     |
| 6. Deleting breakpoint automation data                            |                                     |
| J. Mixing   | Lecture 1 hour<br>Studio 3 hours    |
| 1. Inserts, sends, and returns                                    |                                     |
| 2. Using the plug-in window                                       |                                     |
| 3. Working with submasters  |                                     |
| 4. Using RTAS (real time Audio Suite) plug-ins                    |                                     |
| 5. Master faders  |                                     |
| 6. Track grouping   |                                     |

V. **Methods of Instruction**

The following methods of instruction may be used in the course:

1. lecture and demonstration;
2. peer review;
3. discussion and review;
4. active listening and musical analysis;
5. multimedia;
6. online materials.

## **VI. Out of Class Assignments**

The following out of class assignments may be used in the course:

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

## **VII. Methods of Evaluation**

The following methods of evaluation may be used in the course:

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

## **VIII. Textbook**

Avid Training. *Pro Tools 110: Pro Tools Production 1*. Boston: Avid, 2013. Print.  
12<sup>th</sup> Grade Textbook Reading Level. ISBN: 9781936121502.

## **IX. Student Learning Outcomes**

Upon successful completion of the course, the student will be able to:

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