

Faculty: Zenaida Vergara
Audio Fundamentals and Mixing Techniques I
Fall 2024 – 4 Credits
Remote Instruction on Zoom
Monday's @ 5:30pm

This introductory course teaches the fundamentals of sound, critical listening, and basic digital audio concepts using Pro Tools. The main topics will include the application of technical approaches while exploring the art of mixing music and soundscapes. Students will learn how to design and configure personal home studios that support the unique setups for engineers, mixers, and musicians to achieve their creative goals. Students will have weekly reading and mixing assignments that explore the different steps in the manipulation of audio to create audio mixes that translate to the listening environment. Weekly multitrack mixes and exercises will be assigned using the foundational principles of mixing and editing. This course is taught using Canvas for lectures, Pro Tools for mixing, and listening exercises using various streaming platforms. By the end of the course, students will have a basic understanding of digital audio configurations, editing techniques, and a critical ear for sound behavior and reproduction.

Classes will be held remotely using Canvas and Zoom.

Requirements: Students are required to have a computer that meets the system requirements for Pro Tools.

Software: student discounted Pro Tools software: [\\$99 for a one-year subscription](#) or \$300 for a perpetual license for continuing audio students. [iLok or iLok cloud](#) is required for license authorization and management.

Media Loan checkout: Headphones, audio interfaces, microphone desk stands, microphones, microphone cables, and field recorders will be available to checkout through Media Loan. Limited availability.

Audio Interface (not required): An audio interface is suggested for students who want to record. Thunderbolt or USB audio interface with a headphone jack, microphone input, and instrument input (prices can vary between \$150 - on up).

Tech Specs

Software Type:	DAW software
Platform:	Mac, PC
Upgrade/Full:	Full with 1 year updates, 1 year subscription
Download/Boxed:	Download
Academic Version:	Yes (Students, Teachers)
Bit Depth:	64-bit
Format:	AAX Native 64
Authorization Type:	iLok 2/3 or iLok Cloud account (internet connection required)
Hardware Requirements - Mac:	Intel Core i5 processor or higher, 16GB RAM (32GB recommended), 15GB disk space
Hardware Requirements - PC:	Intel Core i5 processor or higher, 16GB RAM (32GB recommended), 15GB disk space
OS Requirements - Mac:	macOS 10.13.6 to 10.15.5 (Catalina 10.15.4 not supported)
OS Requirements - PC:	Windows 10 or later