

Pro Tools (AVID) Course

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Objectives: Approaching the Pro Tools system as a composition/production tool.

Duration: 8 classes of 2 hours.

Level: medium - advanced, basic audio production knowledge required.

Class 1:

- Digital Audio - introduction: digitalization, sample rate, bit depth.
- System Architecture: Processor, memory, storage technologies, motherboards, interfaces and control surfaces.
- Pro Tools HD, SE y Express.
- System installation and configuration.
- Setup Menu:
 - Memory administration: Buffer size, DAE y CPU.
 - File formats: WAV, AIFF y SD2.
 - Project administration, folders and disk space, import and audio conversion.
- Create a session.
- I/O Setup.

Class 2:

- Work environment recognition.
- Transport. Tempo Track. Ticks and sample based Tracks.
- Mix window.
- Tracks show/hide.
- Routing: tracks, buses, aux sends, sub-masters, masters, physical output configuration.
- Mix groups.

Exercise 1: Routing and mixing.

Class 3:

- Edit window:
 - Editing tools: zoom, trim, selector, grabber, smart tool.
 - Grid, nudge: reference, definition and graduation.
 - Editing modes: slip, grid
 - Commands: tab to transients, commands keys, link timeline and edit selection, separate, duplicate, consolidate
 - Audio editing.
 - Edit groups.

Exercise 2: Audio editing.

Class 4:

- Fades: in, out, cross-fade.
- Editing modes: spot, shuffle.
- Region List menu.
- Bar/Beat markers. Identify Beat.
- Memory Locations
- **Exercise 3: Multiple track editing.**

Class 5:

- Beat Detective.
- **Exercise 4: Beat Detective.**

Class 6:

- MIDI: basic notions, protocol, MIDI channels, configurations.
- MIDI Track, instrument Track.
- MIDI recording and editing.
- MIDI file.
- Rewire (REASON)
- **Exercise 5: MIDI**

Class 7:

- Time compression/expansion (trim tool)
- Elastic time.
- Audio recording: monitoring modes.
- Playlists.
- Disk Allocation.
- **Exercise 6: Recording**

Class 8:

- Audiosuite: offline processing.
- Automations: real-time automation modes. Graphic automation.
- Mixdown: Bounce to Disk. Dithering.
- Audio/video Sync.
- QuickTime file formats. System requirements: hardware, DV Toolkit. Codec.
- Import/export QuickTime movies.