



MTD PREP TECHNOLOGY Fall 2021

Instructor: Hazel Fairbairn: fairbairnh@douglascollege.ca | CRN 31358

Dates: Thursday, **December 9**, Tuesday, **December 14**, Thursday, **December 16**,
 Tuesday, **December 21**, Thursday, **December 23**

Time: 4:00 – 7:00pm

Location: This course will be held in person at the New Westminster campus, Rm N3220

Course Competencies

- Be familiar with the principles of acoustic, analog and digital systems and signal chains.
- Be familiar with basic principles of sound (amplitude, frequency, harmonic content, wavelength, phase).
- Be familiar with the principles of EQ, Compression, and a range of time-frequency domain processors.
- Be able to use Pro Tools to mix a project using series and parallel processing.
- Understand MIDI signal flow and use Pro Tools to remix a standard MIDI file.

Guide to Topics	
Week 1	Douglas College Log Ins/ Blackboard Orientation What is a DAW? Avid Pro Tools: Working with Pro Tools First v Pro Tools 12 <i>Project One: Downloading and Installing Pro Tools</i> Slide Show An introduction to the fundamentals of audio and a brief history of analog recording technology.
Week 2	Pro Tools Introduction: The Arrange and Mix Windows, File Structure, Editing Tools. <i>Project Two: Creating a new project, importing stems (provided) & using some basic mixing and editing tools.</i> Setting up a mix; gain structure and the Master Fader. Slide Show Digital Technologies & DAWs
Week 3	Equalization (theory and practical listening exercises) Pro Tools: Using Plug Ins (series processing) <i>Project Three: Equalization Exercise</i> Slide Show Equalization
Week 4	Time Frequency Domain Effects: Reverbs, Chorus, Delays, Phase Pro Tools: Setting up parallel processing. <i>Project Four: Work on mix, add bus sends/aux return</i> Slide Show Time-Frequency Domain
Week 5	Working with MIDI <i>Project Five Midi Remix</i> Slide Show MIDI protocol and signal Flow

To Register

[Register Online](#), Contact the Registrar's Office: **604 527 5472**

Please tell the Registrar's Office that you are registering for a non-credit course through the Community Music School. To register you will need your Douglas College student number and the CRN for this course: **CRN 31358**

A Note about MTD Prep Classes

While the MTD prep classes are highly recommended, neither class is mandatory. Participation in the prep classes does not guarantee acceptance into the MTD program.