

MIX COURSE

Javhastudios, 2021

JAVHA
STUDIOS

01. Gain Staging, Spectrum analysis and measuring tools.

- Gain Staging
- Sampling rate and bit depth
- Peak and RMS Meter
- The K-System
- Spectrum analyzers
- Goniometer

02. Preamps.

- What is a Preamp?
- How to use it
- Advantages
- Coloration

03. Filters and EQs.

- Frequency range
- Kinds of filter
- Shelving EQ
- Parametric EQ
- Paragrafic EQ
- Grafic EQ
- EQ choices and uses

04. Advanced EQ and phase displacement.

- The EQ balance
- Choosing harmonics or fundamental
- Low end problems
- Linear phase EQ
- Choosing different EQs
- Push down resonances

05. Compressors.

- Fundamental parts
- Using the compressor
- Attack and release time
- Knee and Side-Chain
- Kinds of compression, choices and uses
- Harmonic distortion

06. Transients.

- Principle of uncertainty
- Clicks and Cracks
- Wrong information
- Detection of unwanted transients
- Transients designers

07. Gate and expanders.

- Gate
- Hold
- Hysteresis window
- Expanders
- Focusing and uses

08. Advanced compression.

- Upward compression
- Downward compression
- Comparative
- Microdinamics and macrodinamics
- Serial compression
- Paralell compression

09. Panning.

- Monitor placement
- The panning law
- Positioning
- Front and Rear
- Instruments placement
- Mono instruments
- The instrument's weight at panning

10. Reverb [1 by 2].

- The enclosure's sound
- Reverb's properties
- Early reflections and tail reverb
- Principle of masking
- The Hass effect
- Kinds of reverb
- The Mono reverb

The course will start February 2nd and ending June 29th. Every Tuesday from 19 h to 20 h [Spain time]. You can do the complete course or only the classes that you consider. This is an exclusive video conference course via Zoom. For book your assistance or obtain more info, write to: info@javhastudios.com

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11. Reverb [2 by 2].

- Continue from previous class

12. Time Effects.

- Delay
- Echo
- Flanger
- Phaser
- Chorus
- Mono effects

13. Gain Effects.

- Overdrive, Distortion and Fuzz
- Aural exciters
- Choices and uses

14. Advanced techniques.

- M/S
- Noise reduction
- Transients recovery
- Layering

15. Channel Strip.

- Eq and Comp vs Comp and Eq
- Phase and Anti-phase fixing
- Mono compatibility in a stereo mix
- The importance of mono sound inside the mix

16. Vocals.

- Vocal treatment
- Vocal channel strip
- Vocal layers
- Lead Vocals and second vocals

17. Sends, Groups, Busses and VCA's.

- Working with groups
- Differences between sends and busses
- Busses process
- Using VCA's

18. Advanced dynamics.

- Multiband compressors
- Dynamic EQ

19. Psychoacoustics.

- Sound pressure level
- Pitch
- Sonority
- Timbre
- Formants
- Masking
- The perception of the Mid range

20. Automation.

- The importance of automation
- Faders automation
- Plugins automation
- Microdynamic developments
- Macrodynamic developments
- Fade In & Fade Out

21. General Approaches.

- The importance of noise
- Choosing between noise and clean sound
- Dark mixes vs bright mixes
- Dynamic mixes, hot mixes and dynamic range
- Kick and Bass
- Strings and Pads

22. Reference listenings.

- The Loudness War
- Levels for send to mastering
- Essential Records
- Ear training

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