
Recording & Mixing Course Syllabus

Duration : 2 months (8 weeks)
3 classes / week

This course will provide tools and creative techniques you need to know to Record & Mix music in today's production environment. Gain complete knowledge of what is involved in creating the final master recording of your song & getting it ready for distribution.

This Course is split into 3 Modules :

**Sound Theory
Recording & Editing
Mixing & Mastering**

1. Sound Theory

(Week 1 & 2)

Study the nature & behaviour of sound and its properties. Learn various effects and techniques used to manipulate audio.

- **Understanding Sound** (*Week 1*)

- Frequency
- Amplitude
- Behaviour of Sound

- **Dynamics** (*Week 1*)

- Peak & RMS
- Dynamic Range
- Dynamic Processors
- Compression
- Gate
- Limiter

- **Acoustic Envelope** (*Week 2*)

- Understanding ADSR
- Envelope of Traditional Musical Instruments

- **Reverb & Delay***(Week 2)*
 - Understanding Reverb
 - Pre-Delay & Size
 - Types of Reverbs
 - Understanding Delay
 - Types of Delays
- **Microphones, Monitors & Cables** *(Week 2)*
 - Condenser Mics
 - Dynamic Mics
 - Types of Monitors
 - Types of Cables
- **Acoustic Spaces & Studio Setup** *(Week 2)*
 - Effects of Spaces on Sound
 - Reflection of Sound
 - Sound Absorption
 - Sound Proofing
 - Setting Up your Studio Space

(Assignments & Class Projects on Module)

2. Recording & Editing

(Week 3)

Learn how to record and edit music at your home. Achieve professional standard audio recordings by learning advanced mixing techniques.

- **Fundamentals of Recording**
 - Recording Setup
 - Metering
 - Guide to Record at home
- **Fundamentals of Recording Vocals**
- **Fundamentals of Recording Instruments**

- **Editing Techniques**

- Warping
- Automation
- Noise Gate
- Comping

3. Mixing & Mastering

(Week 4 - 8)

Learn tools and creative techniques you need to know to mix music in today's production environment. Gain complete knowledge of what is involved in creating the final master recording of your song & getting it ready for distribution.

- **Getting Tracks ready for Mix**
- **Volume Balance & Panning**
- **EQ**
- **Compression**
- **Buses & Aux Tracks**
- **Reverb & Delay**
- **Advanced Mixing Techniques**
- **Stereo Imaging**
- **Saturation**
- **Limiter**

(Assignments & Class Projects on Module)

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