

MMA Music Production Syllabus

1st MODULE: Production Fundamentals & Music Theory

Production Fundamentals:

1. **INTRODUCTION TO MUSIC PRODUCTION**
2. **DIGITAL AUDIO FUNDAMENTALS/AUDIO FORMATS**
 - Knowledge about various digital formats (Compressed & Uncompressed).
 - Discussion about A-D/D-A conversion, Sample Rate, Bit Depth & Buffer Size.
3. **EAR TRAINING EXERCISES**

Music Theory:

- Introduction to Music theory
- Scales & chords
- Basic songs
- Basic songs
- Learning Minor scale
- Understanding all Major, Minor scales and chords.
- How to arrange chords for a raaga or any scale
- Advanced chords
- Exercises and assignments

2nd MODULE: DAWs

STUDIO ONE:

1. **INTRODUCTION OF STUDIO ONE**
 - A detailed review of the Studio One Start Page.
 - Setting up Inputs & Outputs (Audio Setup)
 - Setting up the “New Song” menu in Studio One.
 - Detailed rundown of the Interface.
 - Types of tracks
2. **CONCEPT OF MIDI EXPLAINED**
 - What is MIDI?
 - Connecting MIDI devices to Studio One.
 - Concepts of software instruments explained.
3. **BASICS OF MIDI PROGRAMMING**
 - Representation of MIDI notes in a DAW.
 - Piano Roll & its types.
 - Grid settings, Tools to draw MIDI notes & manipulation.
 - Basic song arrangement using the tools.
 - Introduction of “Chords Track” & its usage.
 - Programming a song using chords track.
 - Introduction of sample packs, sound libraries & its integration in a song.

4. **EXPLANATION OF MIXER & AUDIO RECORDING**

- Basics of an audio mixer & its similarities in a DAW.
- Setting up audio recording.
- Gain Staging for recording.
- Live explanation of various audio recording modes available in Studio One.
- Vocal Pitch Correction using industry standard softwares **Melodyne & Auto-Tune**.

5. **SONG ARRANGEMENT**

- Learning how to structure your songs.
- Explanation of arrangement terms (Intro, Verse, Pre-Chorus, Chorus etc).
- Live arrangement of a new song with all the tools and techniques learnt before.

6. **MIXING & MASTERING**

- Introduction to the art of mixing & mastering.
- Fundamentals of mixing & mastering process.
- Learning how to approach a mix.
- Detailed live mixing & mastering of a song (step by step).
- Mixing & Mastering Assignments.

LOGIC PRO X:

1. **INTRODUCTION OF Logic Pro X**

- Introduction to Logic Pro.
- Basics of Mixer and DAW will be revised.
- MIDI revision.
- Basic MIDI operations, tools & editing.
- Understanding MIDI tools like Arpeggiator, Chords Trigger etc.
- Basic automations explained.

2. **MORE INTO PROGRAMMING**

- Rhythm and grid, Time signatures explanation.
- Drums and Bass production. Making basic beats with bass
- Layering and using arpeggio for production.
- Completing a small jingle.
- Working out a cover song.
- Advanced Sampler and Synthesisers theory and application.
- Orchestral production.
- Exercises and assignments.

ABLETON LIVE:

- Intro to ABLETON LIVE, differences b/w Ableton & other DAWs.
- Introduction to **CLIP VIEW & ARRANGEMENT VIEW**.
- **MIDI** Programming in clip & arrangement views.
- Setting up audio recording in Ableton.
- Setting up mixing session, explanation of mixing workflow.
- Mastering in Ableton.