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# Beat Making | Music Production Crash Course Syllabus

Duration : 2 months (8 weeks)

3 classes per week

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This course will provide aspiring music producers with the knowledge and skill to put together high quality musical recordings. You'll learn a large set of tools & strategies that you will need to evolve your song into a balanced musical arrangement.

**This Course is split into 4 Modules :**

**Music Theory**  
**Sound Theory**  
**Producing Music In Ableton**  
**Mixing & Mastering**

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## 1. Music Theory

(Week 1)

Learn fundamentals of music essential to craft musical ideas and develop them into complete songs according to your production style.

- **Fundamentals of Music**

- Notes
- Major & Minor Scales
- Triads
- Diatonic Chords in Major & Minor Keys
- Common Chord Progressions

- **Time Signature**

- Beats, Bars & Phrases
- Understanding Time Signatures
- Types of Time Signatures
- Effects on Song Arrangement

*(Assignments & Class Projects on Module)*

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## **2. Sound Theory**

(Week 2)

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

- **Understanding Sound**

- Frequency
- Amplitude
- Behaviour of Sound

- **Dynamics**

- Peak & RMS
- Dynamic Range
- Dynamic Processors

- **Acoustic Envelope**

- Understanding ADSR
- Envelope of Traditional Musical Instruments

- **Reverb & Delay**

- Understanding Reverb
- Pre-Delay & Size
- Understanding Delay

- **Microphones, Monitors & Cables**

- Condenser Mics
- Dynamic Mics
- Types of Monitors
- Types of Cables

- **Acoustic Spaces & Studio Setup**

- Effects of Spaces on Sound
- Reflection of Sound
- Sound Absorption
- Sound Proofing
- Setting Up your Studio Space

*(Assignments & Class Projects on Module)*

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### **3. Producing Music In Ableton**

(Week 3 - 7)

Develop the art of music production and the necessary skills for producing high quality musical recordings according to professional standards.

- **Introduction to Ableton** (*Week 3*)
  - Interface & Shortcuts
  - Audio & MIDI Tracks
  - Software Instruments
  
- **Programming Drums** (*Week 3*)
  - Working in Drum Rack
  - Velocity
  - Quantisation
  - Groove
  
- **Midi Arrangement & Audio Recording** (*Week 4 - 5*)
  - Understanding Piano Roll
  - Chords Arrangement
  - Bass Arrangement
  - Melody Arrangement
  - Audio Recording
  
- **Loop Making** (*Week 4 - 5*)
  - Construction of a Song Idea
  - Vertical Arrangement
  - Genre Based Construction
  
- **Production Techniques** (*Week 6*)
  - Sampling
  - Warping
  - Automation
  - Layering

- **Audio & MIDI Effects** (*Week 6*)

- EQs
- Dynamic Processors
- Reverb & Delay
- Saturation & Modulation
- Arpeggiators
- Beat Repeat

- **Song Arrangement** (*Week 7*)

- Understanding Horizontal Arrangement
- Creating Contrast
- Transition, Automation & Fillers
- Frequency & Energy Balance
- Arranging a Complete Song

*(Assignments & Class Projects on Module)*

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## **4. Mixing & Mastering**

(Week 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**
- **Reverb & Delay**
- **Limiters**

*(Assignments & Class Projects on Module)*

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