

Introduction to Modern Music Production Techniques

- I. Overview of Modern Music Production**
 - a. The Drawbacks and Benefits of modern music Technology**
 - b. Introduction To MIDI: what is MIDI? (Musical Instrument Digital Interface)**
 - c. Different DAW's (Digital Audio Workstations) that support MIDI and how you can make music of your own using these DAW systems.**
 - d. How to use a Midi Controller to create your music**
- II. MIDI continued**
 - a. How to Input your own Midi using Virtual Instruments and an introduction on how to Edit your Midi information**
 - b. Constructing Drum Beats Using Midi and virtual instruments.**
 - c. Creating Melodies/ Harmonies with your Midi controller**
- III. What is Quantization? An overview of the many functions one can use with Midi in order to improve timing and feel with a virtual instrument Track.**
- IV. Midi Overview**
 - a. Let's make some Midi music!**
 - b. We will create a track getting everyone involved in the Midi process and go over how to get the best sounding performance from a digital interface system.**

- V. Intro to Recording Audio using DAW System**
 - a. A basic overview of how to record your own Audio tracks**
 - b. Introduction to signal flow (your always one simple step away from an awesome recording or hours of troubleshooting).**
- VI. An introduction of How to Mic up your instruments**
 - a. Mic placement for instruments these kids may be using: Acoustic guitars, Vocals, Electric guitars, Electric bass. (will also discuss different techniques for micing up string instruments and piano.**
 - b. Basic differences in Microphones (dynamic vs. condenser mics and their different functions)**
 - c. I can also talk about micing up drumsets, but this requires at least 7 Mics for optimal isolation)**
- VII. Basic audio Editing using DAWs**
 - a. How to edit audio and knowing where to edit (zero crossings)**
 - b. Why editing audio is so useful and how you can get a better overall sound by including and excluding certain things.**
 - c. How to layer your audio tracks with Midi and good ways of combing the two to make your productions sound more real.**
- VIII. Basic Mix Overview**
 - a. What does “Mixing” Mean?**
 - b. Introduction to the four main effects one places on individual tracks in a mix: EQ, Reverb, Compression, and Noise Gates**

- c. **By this time we will have some tracks to work with that I can demonstrate a basic way to mix**

All the concepts that may be “touched” on in this basic intro course can be discussed in MUCH further depth, but as far as creating music with a home DAW setup this is a very thorough overview of many of the concepts available to a modern musician with nothing more than a laptop, a midi controller and a microphone.