

Chapter 5

MUSC 102

Dynamics

How loud and soft the sounds are

Timbre

character or quality of a musical tone

A tone consists of the fundamental pitch (the one we hear) and overtones/harmonics

Music Instruments

Any sound-generating medium used to produce music

Music instrument classification

The Hornbostel-Sachs Classification System

- Chordophones

Sounds made by vibration of strings over a chamber

ex: guitar, violin

- Aerophones

Sounds made by passing air through a tube or some resonator

ex: trumpet, organ

- Membraphones

Sounds made with vibration of a *membrane* over some resonator

ex: drums

- Idiophones

Sounds made with the vibration of the instrument itself

ex: triangles, shakers, hand claps

- Electronophones

Two subcategories:

1. Pure - if you try to play with without plugging it, nothing happens

Digital synthesizers, and samplers

2. Hybrid - if you try to play with without plugging it, you can still make out the sounds

Electric guitar

Two Types:

1. sound generators
2. sound modifiers

One of the greatest inventions is **multitrack recording**. You can layer multiple musical tracks ontop of each other (**overdubbing**).

Some compound instruments

Consists of multiple instruments, but is classified as one (*ex: drums*).