

Audio Academy

AE104 Recording & Music Production I

Unit 1 HISTORY OF RECORDING

- 1.1 Mechanical Recording
- 1.2 Electrical Recording
- 1.3 The Magnetic Tape
- 1.4 Multi-track Recording

Unit 2 DIGITAL RECORDING

- 2.1 Digital Recording Systems
- 2.2 Hard Disk Recording
- 2.3 Formats

Unit 3 THE MODERN RECORDING CHAIN

- 3.1 Mixer Based Chain
- 3.2 DAW Based Chain
- 3.3 Other Chain

Unit 4 STUDIO ACOUSTICS

- 4.1 Small Room Acoustics
- 4.2 Studio Designs
- 4.3 Isolation
- 4.4 Treatment

Unit 5 MICROPHONES

- 5.1 Studio Microphones
 - * Microphone Designs
 - * Operation Principals
 - * Response & Polar Patterns
- 5.2 Single Microphone Placement Techniques
- 5.3 Multi Microphone Placement Techniques
- 5.4 Stereo Microphone Placement
- 5.5 Advanced Designs



Unit 6 PREAMPS

- 6.1 Preamp Designs
- 6.2 Gain
- 6.3 Preamp Parameters

Unit 7 A/D – D/A CONVERSION

- 7.1 A/D – D-A Converter Types
- 7.2 Resolution
- 7.3 Nonlinearity
- 7.4 Aliasing
- 7.5 Over Sampling

Unit 8 DAW

- 8.1 Integrated DAW
- 8.2 Software DAW
- 8.3 DAW Windows
- 8.4 Editing
- 8.5 The Mixer
- 8.6 Routing
- 8.7 Automation



Unit 9 MONITORING

- 9.1 Monitor Types
 - * Designs
 - * Operation Principals
- 9.2 Monitor Placement
- 9.3 Monitor Powering
- 9.4 Headphones
- 9.5 Monitor Controllers

AUDIO
ACADEMY
THE SCIENCE BEHIND THE ART

Unit 10 INTRODUCTION TO MIDI

- 10.1 Midi Message
- 10.2 Midi Time-code
- 10.3 Midi Machine Control