

Audio Academy

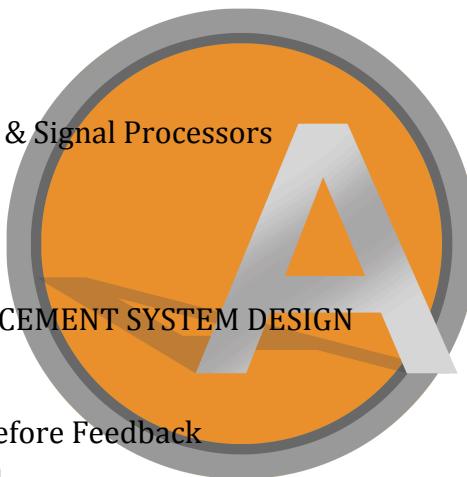
AE102 LIVE SOUND REINFOECMENT I

Unit 1 SPACE ANALYSIS

- 1.1 Acoustic Space Analysis Methods
- 1.2 Measurement
- 1.3 Impulse Response
- 1.4 RTA

Unit 2 LIVE SOUND SYSTEM COMPONENTS

- 2.1 Loudspeaker Design
- 2.2 Line Array Theory
- 2.3 System Management & Signal Processors
- 2.4 System Powering
- 2.5 Mixers
- 2.6 System Connection



Unit 3 SOUND REINFORCEMENT SYSTEM DESIGN

- 3.1 Basic System Design
- 3.2 Designing for Gain Before Feedback
- 3.3 Power Consideration
- 3.4 Using Simulation Software
- 3.5 Digital Audio In Live Sound
 - * Formats
 - * Networking

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- 4.1 Crossovers
- 4.2 Choosing Crossover Points
- 4.3 System Tuning

Unit 5 THE MIXER

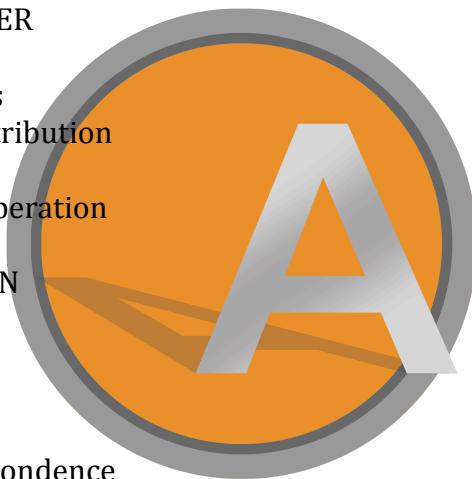
- 5.1 Mixer Modules
 - * Input Modules
 - * Output Modules
 - * Master Section
- 5.2 Gain Staging
- 5.2 Basic Routing
- 5.3 Patching
- 5.4 Digital Consoles

Unit 6 MICROPHONES & TRANSDUCERS

- 6.1 Live Sound Microphones & Transducers
- 6.2 Specialized Microphones
- 6.3 Wireless Audio Transmission
 - * Modulation
 - * Transmission Power
 - * Antennas
- 6.3 Microphone Choice

Unit 7 ELECTRICAL POWER

- 7.1 Three Phase Systems
- 7.2 Electrical Power Distribution
- 7.3 Earthing
- 7.4 Electrical Safety & Operation



Unit 8 DOCUMENTATION

- 8.1 Design Paper Work
- 8.2 Technical Riders
- 8.3 Keeping Logs
- 8.4 Professional Correspondence

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