

ESDOL135 – Fundamentals of Sound Reproduction

This course is designed to give you exceptional insight into how sound and the components that reproduce sound work. The course examines many fundamentals including how sound works, loudspeakers, room interactions, home theater audio basics, sonic myth debunking, and much more.

Course Objectives:

- Discuss key sound fundamentals and surround types found within the surround sound industry
- Define the differences between various speaker types and understand how speaker placement can impact system performance
- Describe how the size of a room (length, width, and height), as well as the overall shape affect the overall quality of sound reproduction
- Explain the concept of acoustical treatments and bass management, and how when properly designed they will positively affect, when designed properly, the quality of sound reproduction within a room or theater

Recommended prerequisites:

ESD131 Fundamentals of Home Theater Design