



## **ESDW311 Advanced Distributed Audio Systems**

The purpose of this course is to educate people in the industry about the design and specification of multi-room / multi-zone audio systems. This course covers acoustical concepts and other factors affecting optimal speaker selection and placement in various settings. It also addresses appropriate sound pressure level (SPL) and methods for achieving uniform coverage, as well as performance considerations, aesthetics and control techniques.

It is strongly suggested that participants have already taken EST 305: Audio Setup and Calibration and ESD 211: Fundamentals of Distributed Audio Systems.

Upon completion of this course, participants should be able to:

- Develop a common frame of reference with clients and conduct an appropriate client-needs analysis
- Design a distributed audio system incorporating advanced performance, aesthetics and control / integration techniques
- Identify acoustical properties and factors influencing optimal speaker selection and placement, including trade-offs between in-room, in-ceiling, and in-wall speakers
- Design and specify distributed audio systems that meet identified performance criteria

*Recommended prerequisites: ESD211, EST305*