



ESDW441 Distributed Media Design

The purpose of this course is to educate industry personnel about the issues surrounding distributed media. The course will discuss integration issues, as well as how to design multiple kinds of distributed media systems. It is expected that participants will already have a requisite knowledge of analog and digital video and audio distribution, as well as knowledge of home theater design.

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

- Integrate diverse analog and digital media sources and systems for distribution throughout a residential or commercial space
- Plan various sub-systems and systems integration in order to store and access multiple media sources simultaneously throughout the target location and possibly beyond
- Design multiple kinds of distributed media systems and controls to interface with such systems
- Recommend specific components and distribution methods to optimize the client's access to and enjoyment of the various media available
- Create multifaceted media distribution networks using any number of available methods
- Plan switching and control systems designed for easy and intuitive client media access
- Integrate audio and video distribution systems to take advantage of the distributed media systems available
- Create integrated control systems that optimize client enjoyment while at the same time ensuring that system control is easy for everyone to use and understand.

Recommended prerequisites: ESD111, ESD131, ESD211, ESD311, EST205, EST405