



Next Generation Classrooms (NGCR01)

Summary:

This course will address the evolving and complex technical requirements of tomorrow's classrooms. Topics discussed will include acoustics, AV, interactive, IT, and mobile technologies. This course is meant to provide practical guidelines applicable to a wide variety of educational settings; from K-12 through higher education learning spaces.

1) Acoustics

- Acoustics for Learning Spaces, Including LEED Considerations

2) Audio Video

- AV Technology for Classrooms:
 - Display of images (projection and/or flat screens)
 - 2x2 Ceiling Panel/Box
 - PC /Laptop Connectivity
 - Voice Lift
 - Recording and Streaming
 - Schools On a Tight Budget

3) Interactive Technology

- Interactive Classroom Technologies:
 - iPad/Tablet Carts
 - Student Response Systems
 - Interactive Whiteboards

4) IT/ Mobile Technology

- IT and Mobile Technology Considerations:
 - BYOD – Bring Your Own Device
 - E-books and Tablet PCs
 - Bandwidth

5) Good Practices and Thoughts for the Future

- Basic Videoconferencing in Schools – Evolving as Technology Changes
- AV in Education Paradigm Shift
- Changing Floor Plans