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**infoComm**  
INTERNATIONAL<sup>®</sup>

# *infoComm* **Academy**

presents

## **DES212 AV Design Level 1: Environment**

**New Delhi 21-23 Aug 2011**

**Bangalore 25-27 Aug 2011**

## **DES 213 Design Level 2: Infrastructure**

**New Delhi 16-18 Oct 2011**

**Bangalore 20-22 Oct 2011**

## **DES312 Design Level 3: Applied AV Design**

**New Delhi 04-06 Dec 2011**

**Bangalore 08-10 Dec 2011**

**Hosted by**



*Instructor –*

*Mr. Rod Brown, CTS-D*

*InfoComm Staff Instructor*

*Cost –*

*InfoComm Members: US\$700.00/ per person/  
per level*

*Non-Members: US\$1,050.00/per person/ per  
level*

*"25% edubucks applicable for NON-special offered  
rate"*

*(Exclusive for **AMX India & Kramer Electronics  
India** partners & associates – a special subsidy is  
offered).*

*CTS Renewal Units –*

*Each of this course provides 24 renewal units  
(RUs) toward [InfoComm Certification renewal](#).*

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## DES201 Design Online

*DES201 Design Online* is the first of four core knowledge courses in the InfoComm Academy Design Track and contains more than 300 lessons introducing the core concepts of audiovisual systems design. This course will improve your AV design vocabulary, your understanding of design factors as they relate to design choices and teach you scientific concepts behind AV design considerations.

### **Audience & Time Commitment**

Design courses are valuable for anyone who works in or has responsibility for the design of audiovisual facilities, including: systems sales professionals, designers, engineers, senior designers, senior engineers, project managers, technology managers. *DES201 Design Online* consists of more than 300 lessons and may take as long as 40 hours to complete, depending on the student's background.

**Course Content** [http://www.infocomm.org/cps/rde/xbcr/infocomm/Outline\\_DesignOnline.pdf](http://www.infocomm.org/cps/rde/xbcr/infocomm/Outline_DesignOnline.pdf)

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## DES212 AV Design Level 1: Environment

Delivering audiovisual designs based on a client's needs is an art and a science. It can be challenging to professionals new to the field as well as those with many years of experience. In all instances, proper design requires adherence to certain principles. This three-day classroom course explores elements that affect the planning and design of the environments with sound reinforcement, display, projection needs, etc. Using measurement tools, calculations and industry best practices, students will expand their knowledge of design considerations to create drawings, specifications and performance criteria. Students will create a portfolio documenting recommended design processes and sample documentation for reference when working on future AV design projects.

### **Audience & Time Commitment**

This course is valuable for anyone who works in or has the responsibility for the design of audiovisual facilities, including AV designers, engineers, senior designers, senior engineers and project managers. This classroom course is three days long, eight hours per day. Additional evening work may be required. **Prerequisites** [DES201 Design Online](#)

**Course Content** - AV design best practices, sightline studies, loudspeaker coverage, display & acoustic criteria, ergonomic criteria, applicable AV math calculations, project documentation and communication with allied trades.





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## DES213 AV Design Level 2: Infrastructure

This three-day classroom course explores elements that affect the planning and design of the infrastructure supporting AV environments including HVAC, electrical, cable pathways, lighting, IT connectivity, etc. During this course, you will create a portfolio documenting recommended design processes and sample documentation for reference while working on future AV design projects.

### Audience & Time Commitment

This course is valuable for anyone who works in or has the responsibility for the design of audiovisual facilities, including AV designers, engineers, senior designers, senior engineers and project managers. This classroom course is three days long, eight hours per day. Additional evening work may be required. **Prerequisites** [DES201 Design Online](#)

**Course Content** - AV design best practices, power & grounding (earthing), electromagnetic interference issues, authorities having jurisdiction (AHJ), thermal management, lighting criteria, network connectivity, applicable AV math, project documentation and communication with allied trades

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## DES312 Design Level 3: Applied AV Design

This three-day course is a comprehensive application of design best practices as they are taught in *DES212 AV Design Level 1: Environment* and *DES213 AV Design Level 2: Infrastructure*. Students will work through the complete design process from beginning (conducting a needs analysis) to end (complete design package). *DES312* focuses on how to determine and analyze the needs of the clients, collaborate with other professionals, develop AV designs and conduct project implementation activities. This course blends instructor-led training, collaborative group work and peer-to-peer learning. *DES312 AV Design Level 3: Applied Design* follows the CTS-D Exam Content Outline.

### Audience & Time Commitment

*DES312* addresses the educational needs of experienced designers completing the design track. Course content is valuable for professionals who work in or have the responsibility for the design of audiovisual facilities, including AV designers, engineers, senior designers, senior engineers and project managers. This course is three-days long, eight hours per day. Additional evening work may be required.

### Prerequisites

[DES212 AV Design Level 1: Environment](#) or demonstrated knowledge of *DES212* content via online exam

[DES213 AV Design Level 2: Infrastructure](#) or demonstrated knowledge of *DES213* content via online exam **Required**

**textbooks** - [Audiovisual Best Practices](#)

- **Content** - conduct and document a needs assessment, determine system parameters (bandwidth, signal types, etc.), collaborate with other professionals, determine specifications, develop AV designs and documentation and conduct project implementation activities.

