

## HSAED – ARCHITECTURE AND INTERIOR DESIGN

### ARCHITECTURE

#### **Qualitative Research: Methods in the Social Sciences**

**R2 000.00**

This program discusses the types of questions addressed through qualitative research and considers problems of validity in the process, protocols, and analysis of qualitative research. It examines such forms of qualitative textual analysis as rhetorical criticism, conversation analysis, and content analysis and looks at the primary methods of qualitative research used throughout the social sciences.

*DVD / 2006 / 20 min / HSAI001*

#### **Quantitative Research: Methods in the Social Sciences**

**R2 000.00**

This DVD introduces quantitative research and shows the types of questions covered by quantitative research methods. It examines such measurement issues as validity, sampling, and distribution; discusses the protocols of experimental design and statistical analysis; and covers survey design, scales of measure, sampling procedures, and data analysis.

*DVD / 2006 / 20 min / HSAI002*

#### **Building Planning and Construction**

**R2 000.00**

This program discusses building planning and construction. It considers location; light, ventilation, and heating; minimum room sizes; sanitation; carports and garages; emergency escape and rescue openings; ramps and stairwells; handrails and guards; and smoke alarms.

*DVD / 2003 / 41 min / HSAI003*

Part of a series of training videos based on the building provisions of the 2003 *International Residential Code® for One- and Two-Family Dwellings*. In this program we will be discussing a wide range of items from Chapter 3 of the IRC, the majority of them related to fire and life safety and environmental issues such as natural light and ventilation. These topics are generally associated with structures built using conventional light-frame construction methods.

Areas to be discussed in this program include:

- Location on Lot
- Light, Ventilation, and Heating
- Minimum room sizes
- Sanitation
- Glass and Glazing
- Carports and Garages
- Emergency Escape and Rescue Openings
- Exits
- Ramps and Stairways
- Handrails and Guards
- Smoke Alarms
- Dwelling Unit Separation

**PRICES EXCLUDE VAT**

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**Building Planning Part 1****R2 000.00**

Exploring the basic requirements for building planning outlined in the 2006 IRC,® this program covers fire resistance for walls and openings, glazing, natural ventilation, illumination, room size and clearance, and sanitation needs.

*DVD / 2006 / 35 min / HSAI004*

**Building Planning Part 2****R2 950.00**

This DVD details a variety of basic requirements for building planning found in the 2006 IRC.® It covers such topics as garage protection, emergency escape and rescue windows, minimum means of requirements, the means of egress, smoke alarm requirements, and townhouse separation.

*DVD / 2006 / 35 min / HSAI005*

**Basic Career Math: Drafting****R2 000.00**

**Item Number: HSENG035**

*DVD / 1995 / 15 minutes*

Featuring footage of drafting professionals at work, this DVD explores drafting careers and teaches basic math skills used in drafting. It covers geometric construction; calculations of area, circumference, and perimeter; and the use of exact and varied scales. The program also offers math competency-based aids.

**Measuring Tools****R2 000.00**

**Item Number: HSENG036**

*DVD / 1992 / 11 minutes*

This DVD discusses linear and angle measurements. It introduces the units of linear measurement; teaches how to properly use rulers and measuring tapes; examines calipers, including slide, vernier, and micrometer calipers; shows how to use the micrometer; and explores squares.

**Metric Measurement****R2 000.00**

**Item Number: HSENG037**

*DVD / 1992 / 15 minutes*

Tracing the history of metric measurement, this program defines important measuring terms. It examines length, area, volume, mass, time, frequency, speed, velocity, acceleration, force, weight, work, energy, power, temperature, electrical current, light, and amount of substance and shows how to use SI units.

**Linear Measurement****R2 000.00**

**Item Number: HSENG038**

*DVD / 1992 / 15 minutes*

Considering common errors made when taking measurements, this program introduces units of linear measurement. It discusses tolerances, measuring devices, scales, rulers, scribes, dividers, Bevel gages, calipers, and combination squares. The DVD also teaches how to read a vernier scale, use a micrometer, and read a micrometer.

**Introduction to Blueprints****R2 000.00**

**Item Number: HSENG053**

*DVD / 1992 / 16 minutes*

Emphasizing the importance of blueprints, this program outlines their purpose. It covers such topics as detail drawings, notes, dimensions, assembly drawings, orthographic projections, auxiliary views, sections, and pictorial drawings.

## Introduction to Schematics and Symbols

**R2 000.00**

**Item Number: HSENG054**

DVD / 1992 / 16 minutes

Defining schematics, this program teaches how to use schematics and considers their value. It covers such topics as electrical, pneumatic, hydraulic, and piping schematics; flow evaluation; electrical current; and fluid flow.

## CAD/CAM in Industry and Schools

**R2 000.00**

**Item Number: HSENG055**

DVD / 2006 / 30 minutes

This program examines a variety of applications for CAD/CAM technology in schools and industry. It discusses the processes of CAD/CAM, explores rapid prototyping and product development, and explains the link between classroom learning and industrial applications.

## Building Drawings

**R2 000.00**

**Item Number: HSENG039**

DVD / 1993 / 12 minutes

This program teaches how to use building drawings. It covers such topics as building sites, symbols, conventions, plats, site plans, floor plans, and working drawings.

## Electrical Drawings

**R2 000.00**

Emphasizing the importance of electrical drawings, this program introduces a variety of topics surrounding electrical power. It covers electrical power controls and wiring and shows how to use electrical drawings.

*DVD / 1993 / 12 min / HSAI006*

## Site-Specific Architecture

**R2 000.00**

This program examines the designs of site-specific homes and shows the artistry demonstrated by their architects. It looks at Brad Lamoureux's Residence II, which was designed to fit a steep location; Richard Horden's private residence in Poole Harbor, England, that mimics the natural geometry of its seaside location; and Stephen Teeple's home design that was inspired by its ravine location.

*DVD / 2007 / 30 min / HSAI007*

## Engineering Drawing, 6 DVD SET

**R7 000.00**

Covering pencil-and-paper drafting and CAD displays, this set introduces drawing for engineers. It describes drafting tools and equipment, illustrates graphic design principles, teaches how to create multiview drawings, and discusses dimensioning and section views.

*6 DVD (NTSC) / 2000 / 170 min total / HSAI008*

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## INTERIOR DESIGN

### **Careers in Interior Design: The Business of Structure and Style R2 000.00**

This program examines careers in residential and commercial interior design, “green” design, lighting design, sales, interior design education, and design animation. It also profiles successful interior designers.

*DVD / 2005 / 17 min / HSAI009*

### **Commercial Interior Design R2 000.00**

Featuring Jon Otis of Pratt Institute and designers from top New York firms, this DVD teaches how to apply the elements of interior design in commercial settings. It shows how the needs of clients determine the design and examines the components of designing for commercial spaces. *DVD / 2007 / 20 min / HSAI010*

### **EXTREME INTERIOR DESIGN – HSAI011 R2 000.00**

#### **Design: Understanding the Principles R2 000.00**

Outlining the elements of design (color, size, texture, line, and shape), this DVD teaches how to combine them to achieve such design principles as unity, dominance, contrast, and rhythm. The DVD features a professor and students from Parsons School of Design and offers examples of the applications of design principles from such fields as architecture, fashion, and interior design. *DVD / 2007 / 20 min / HSAI012*

#### **Elements of Interior Design R2 000.00**

Featuring interior designer and Pratt Institute professor Jon Otis, this DVD shows how the element of space adds a new level to visual design theory when designing for interiors.

*DVD / 2007 / 20 min / HSAI013*

#### **The Elements of Feng Shui R2 000.00**

This DVD introduces feng shui and shows how to apply the ancient Chinese art in home and office interior designs. It traces the history of the practice and explains that a careful arrangement of one's environment can have a profound effect on one's mood and energy. *DVD / 2003 / 40 min / HSAI014*

#### **Design: The Elements R2 000.00**

This program discusses the nature of the design process and explains such elements of design as color, line, shape, form, pattern, and texture. It demonstrates the application of each design to interior decorating, landscape design, and architecture. *DVD / 2005 / 19 min / HSAI015*

#### **Design: Understanding the Elements R2 000.00**

Featuring a professor from Parsons School of Design and offering a design examples, this program examines the elements of design. It discusses line; shape; texture; size; and such color principles as value, hue, complementary, analogous, triadic, additive and subtractive colors, and primary colors. *DVD / 2007 / 20 min / HSAI016*

#### **Drawing With Line: Contour and Negative Space R2 000.00**

Defining contour drawings and negative space, this program explains how the incorporation of the concepts of contour drawing and negative space can improve students' ability to perceive a subject and create drawings and designs.

*DVD / 2000 / 10 min / HSAI017*

**Digital Product Design:****R2 000.00****The Design Process of an Automated Robot Hand/Tool Changer and Several Use Cases**

Considering the cost of an industrial robot, this program explains the benefits of designing robot hands that multiply robot capabilities by rapidly changing tools between jobs. The DVD illustrates the design process of one of the world's first automated robot hand/tool changers.

*DVD / 2008 / 35 min / HSAI018*

**Digital Product Design: Multi-CAD Data Exchange****R2 000.00**

This program examines the key challenges and benefits of multi-CAD data exchange solutions. It includes several CAD to CAD data exchange demonstrations and presents illustrative cases from the automotive and telecom industries. The DVD explains the requirements for multi-CAD data exchange systems and discusses the cost savings and quality assurance benefits of using integrated, advanced three-dimensional CAD and PLM modeling.

*DVD / 2008 / 17 min / HSAI019*

**General Lighting Design 1:****Fundamentals of Indoor Calculations – 4 HOURS****R2 000.00**

This program addresses issues essential to the design of artificial illumination systems. It considers the relationship between light and human vision and shows how to perform lighting calculations by the point source and lumen methods.

*DVD / 2005 / 240 min / HSAI020*

**Using Color: Creating Color Harmony****R2 000.00**

This DVD teaches how to create color harmony and color schemes. It shows how to assign qualities to colors, examines the role of proportion in color choices, and explains the concept of visual weight.

*DVD / 2006 / 22 min / HSAI021*

**Fixture Design****R2 000.00**

Explaining the important role of fixturing in the proper machining of a part, this program explores the issues that influence the development of fixtures. It looks at fixture types and examines the use of component kits to quickly construct modular fixturing systems.

*DVD / 2007 / 19 min / HSAI022*

**Decorate by Design: Color and Color Flow****R2 000.00**

This program explains that selecting a color scheme simplifies the process of home decorating. It shows how to use color groups, build a color road map with samples and swatches, and select colors that work well with other rooms throughout the home.

*DVD / 2005 / 98 min / HSAI023*

**Decorate by Design: Floors, Walls, Windows, and Accessories****R2 000.00**

This program considers the effects of fabrics and textures on the appearance of a room, discusses accessories and lighting, and covers the placement and display of objects.

*DVD / 2005 / 98 min / HSAI024*

**Decorate by Design: Scale and Balance, Furniture,****R2 000.00****and Furniture Placement**

This program teaches how to make rooms livable through good furniture placement. It also shows how to select window treatments, incorporate architectural elements, and match the styles and scales of window treatments and furniture to achieve balance. *DVD / 2005 / 89 min / HSAI025*

**Window Treatment Basics****R2 000.00**

Introducing a variety of window types, this entertaining DVD teaches how to select appropriate window treatments for different window and interior decor styles. It examines such window treatments as curtains, drapes, shades, blinds, and toppers; shows how to measure windows for a variety of treatment options; and discusses such design considerations as decorating style and budgetary constraints. *DVD / 1999 / 12 min / HSAI026*

**Ecological Design: Inventing the Future****R1 500.00**

Examining the emergence of ecological design — an integration of nature, technology, and humanity — in the 20th century, this video presents the ideas and prototypes of pioneering designers of sustainable architecture, energy systems, transport, and industry. It traces an arc from the 1920's work of Buckminster Fuller to the 21st century, revealing that the visions of a few independent thinkers have grown into a powerful movement.

*DVD / 1994 / 64 min / HSAI027*

**Interior Design Project: Furniture Styles****R2 000.00**

In this program, award-winning designer Brandi Hagen leads a tour through furniture showrooms to highlight the distinguishing characteristics of furniture and decorating styles. The DVD covers such furnishing and finishing styles as traditional, Victorian, mission, art deco, retro, African, Asian, Southwestern, shabby chic, country, and contemporary.

*DVD / 2009 / 20 min / HSAI028*

**How to Buy Quality Furniture****R2 000.00**

This program explains that knowing how to recognize well-made furniture helps consumers get the most for their money. It features furniture makers and retailers; visits a furniture factory; compares the styles and construction of wooden, upholstered, chrome, steel, and wicker furniture; and explains how to choose furniture according to lifestyle.

*DVD / 2000 / 15 min / HSAI029*

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