

Lecture – 1

Introduction to interior design

Scope/need and role of interior designer - Introduction to drawing kit



INTRODUCTION TO INTERIOR DESIGN

WHAT IS INTERIOR DESIGN?

Interior design has been defined as the creation and organisation of interior spaces to perform specific function within an architectural environment.

The other definition is : Interior design is the art and science of enhancing the interior of a building to achieve a healthier and more aesthetically pleasing environment for the people using the space.

An interior is a space that is enclosed by walls, floors and ceilings. It has one or more entries/exits and usually one or more openings such as windows for lights and ventilation. Those enclosing elements may be composed of any number of materials and formed of countless shapes.

Such interior space must combine the functional, technical and economic aspects of design with the human, aesthetic and psychological considerations needed by the intended users.

To design is to conceive, envision, plan and delineate and compose things.

The design methods include communicating the concept to the client owner and to the crafts people who will build or execute those designs.

It includes appropriate use of materials ,attention to scale and attention to functional and psychological appropriateness.

NEED FOR INTERIOR DESIGNERS

Before the twentieth century, the Interiors had made considerably simpler demands on designers in terms of functionality. The technology and processes of each activity and profession were less categorized and specialized.

Around the turn of the century, countless elaborations of procedure –in hospital and laboratory spaces for the practice of medicines, in courts and prisons for the practice of law, in department stores for retail trade, and in offices for corporate administration –brought greater and greater needs for more specific and knowledgeable planning and provision of interior equipment. Throughout the twentieth century the practice of interior design has itself witnessed a steady development of specialization.

It is important to emphasize that interior design is a specialised branch of architecture . The best buildings and the best interiors are those in which there is no obvious disparity between the many elements that make up the totality.

Indeed, there are many examples of distinguished buildings and interiors that were created and coordinated by one guided hand.

A strong and unusual piece of Architecture such as New York City's Trans World Airline Terminal (At John F.Kennedy International Airport) could not be properly furnished with standard commercial furniture and products.

The building as well as the interiors was conceived as a total design by the architect Eero Saarinen.

Because of the technological complexity of contemporary planning and building, It is no longer possible for a single architect or interior designer to be an expert in all the many aspects that make up a modern building. It is essential however that many specialists who make up a team are able to communicate with each other and have sufficient basic knowledge to carry out their common goals.

While the Architect usually concerns himself with the overall design of buildings. The Interior Designer is concerned with the more intimately scaled aspects of design, the specific aesthetic ,functional and psychological questions involved, and the individual character of spaces.

Before formal Interior designers evolved ,the job was the concern of craftsmen or upholsterers. This means that many decorators at this time were dealers in the elements needed for the interiors. This called into question the qualifications of the decorator and their standing as an independent advisor.

Dorothy Draper

Dorothy Draper would be considered one of the first professional interior designers.

The professional interior designer is a person qualified by education, experience and examination who:

- Analyzes the client's needs ,goals and safety requirements.
- Integrates findings with knowledge of interior design
- Formulates preliminary design concepts that are appropriate, functional and aesthetic .
- Develops and presents final design recommendations through appropriate presentation media
- Prepares working drawing and specifications for non-load bearing interior construction, materials, finishes,space planning,furnishing, fixtures and equipment.
- Collaborates with licensed practitioners who offer professional services in the technical areas of mechanical, electrical and load bearing design as required for regulatory approval
- Prepares and administers bids and contract documents as the client's agent.
- Reviews and evaluates design solutions during implementation and upon completion.



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- creativity and artistic flair
 - good at problem-solving and lateral thinking
 - able to work independently or as part of a team
 - good communication skills
 - an aptitude for technical drawing and illustration.



Interior Designers design and supervise the construction or redevelopment of building interiors. To use the term Interior Designer in the USA you must hold a qualification and be registered.

A formal definition of interior design, formulated by the National Council for Interior Design Qualification (NCIDQ), has been developed to help unify the varied directions and professional activities in the field today.

National and Regional groups have attempted to create standards for professional practice.

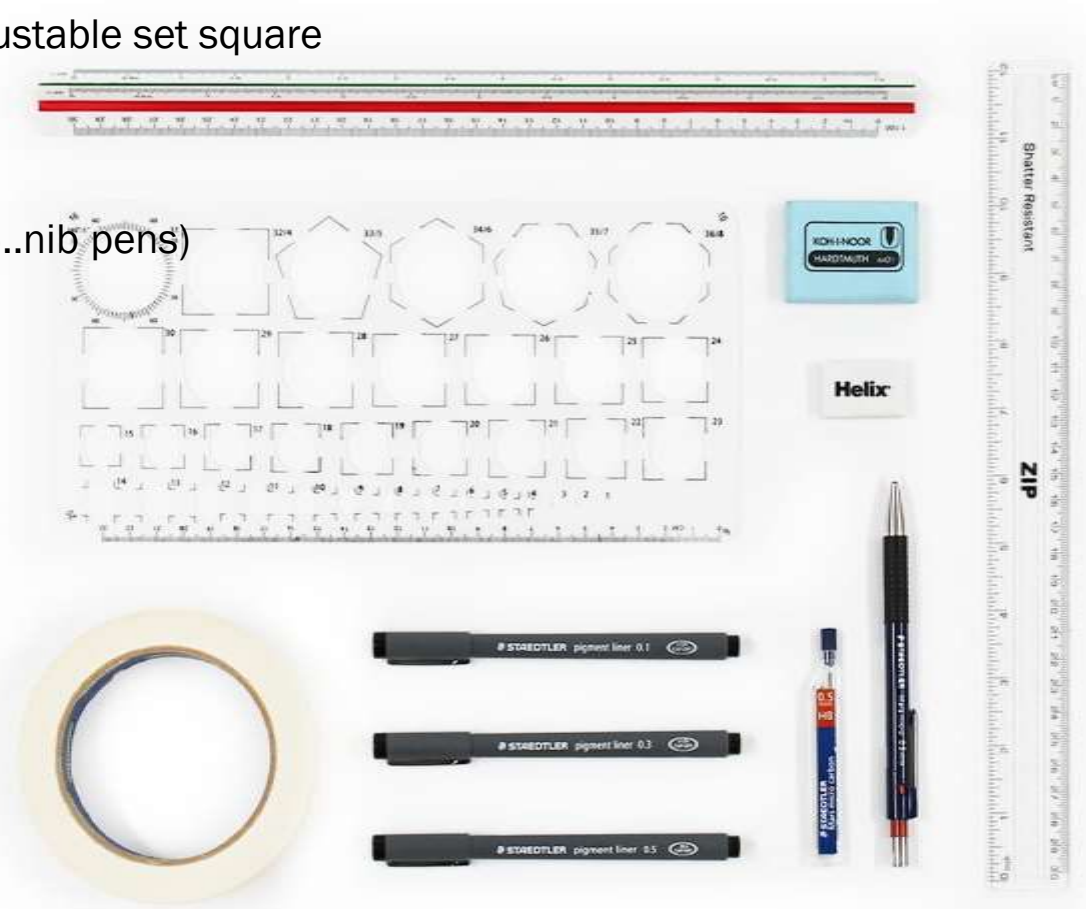
The groups that investigate and qualify interior design programs and that develop educational standards in America are the NCIDQ (National Council for Interior Design Qualification), The Foundation for Interior Design Education Research (FIDER), the Interior Design Education Council (IDEC), the American Society for Interior Designer (ASID), the Interior Business Designer (IBD), the Institute of Storage Planners (ISP) and the Interior Designers of Canada (IDC). Many of these groups have been represented on a committee working with the American Institute of ARCHITECTS (AIA) to establish and refine a standard contract document for Interior Design Work.

INTRODUCTION TO DRAWING KIT LIST :

Technical Drawing Equipment Kit:

The following list is a practical selection of equipment and materials necessary for making pencil drawings and ink tracings.

- Drawing Board
- T-Square or Parallels
- Set Square 45° and 30°-60° or adjustable set square
- Set of scales
- French curves or flexi curves
- Pencil and ink compass
- Technical Fountain pens(0.2,0.3,0.5..nib pens)
- Drawing paper
- Drawing pencils
- Pencil Sharpener
- Paper Fastener or tapes
- Eraser
- Templates
- Drawing pins
- Sand paper block
- Duster

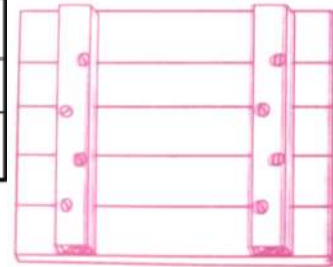


DRAWING BOARD

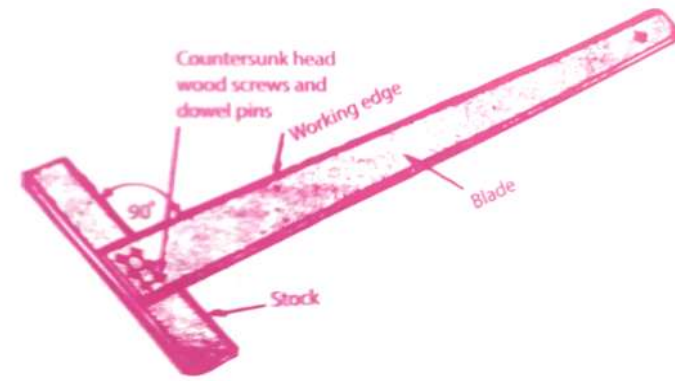
Drawing Board is rectangular in shape and is made of strips of well-seasoned, good quality wood about 25 mm thick. The left hand edge of the board is the working edge on which the T-Square is made to slide.

It should be perfectly straight. This edge is grooved throughout its length and a perfectly straight EBONY EDGE is fitted inside the groove. Laminated boards are also available.

Sheet size	Board size in mm-L x W x T
A0	1500 X 1000 X 25
A1	1000 X 700 X 25
A2	700 X 1000 X 25
A3	1500 X 1000 X 25



Drawing board



T-scale

Fig : 3.1

T-SQUARE OR PARALLELS

T-Square consists of two parts : The head and the blade joined together at right angles to each other. It is available in different sizes and made of different materials like wood, plastic etc. It is used to draw only the horizontal lines. It is an important and delicate instrument and should not be used to cut paper along its edge. When not in use it should be left flat on the drawing board or suspended from the hole in the edges.

SET SQUARE 45 ° & 30°-60° OR ADJUSTABLE SET SQUARE

Two forms of set-squares are in general use. One of them has angles 90,30,60 and the other has angles 90,45 and 45. Set squares are also available with french curves cut in them. In adjustable set squares, one side is 90° and the other side can be set to any angle.

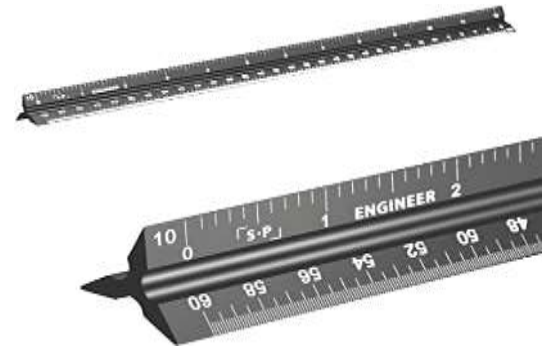
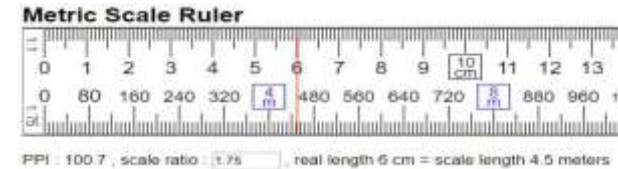
Set squares are available in wood,celluloid,plastic etc.

SET OF SCALES:

Scale is a measuring device. It is used to transfer the true or relative dimensions of an object to the drawing. It is available in wood,celluloid,plastic,cardboard etc Scales are classified according to their use as:

- Architect's scale
- Engineer's scale
- Mechanical scale
- Decimal scale
- Metric scale

Triangular scales are also available



FRENCH CURVE OR FLEXI CURVE

To draw irregular curves other than circles or square arc, French curves or Flexi curves are used. French curves are available in different shapes and they are available in different material such as wood,celluloid,plastic etc. Flexi curve is used to draw any irregular curve.

PENCIL AND INK COMPASS

Compass is used for drawing circles and circular arcs, both in pencil and ink. It consists of two legs hinged together at top end. Separate attachment is available for the technical pen to draw in ink. Circles upto 120 mm diameter can be drawn with the legs of the compass kept straight.

TECHNICAL FOUNTAIN PEN

It is used to draw lines, circles etc in a uniform size. Pens are available in different nib thickness eg. 0.1, 0.2, 0.3, 0.4.....1.0 etc. The pen should be held vertically when drawing lines.

DRAWING PAPERS

Drawing papers are of different quality and available as in sheets or roll. Cartridge paper, Parchment paper etc are used for pencil works and are available as sheets. Tracing sheets are available in different thickness and are available as rolls.

S.No.	Sheet	Trimmed size(mm)	Untrimmed size(mm)
1	A0	841x1189	880x1230
2	A1	594x841	625x880
3	A2	420x594	450x625
4	A3	297x420	330x450
5	A4	210x297	240x330
6	A5	148x210	165x240

DRAWING PENCILS

High quality drawing pencils should be used in technical drawing. Different types of grades are used:

- Hard pencils
- Medium pencils
- Soft pencils
- Pentler-lead size 0.5,0.7 etc
- Clutch pencil



Fig : 3.2

PAPER FASTENER

These are used to fix the drawing sheet at the required position on the drawing board. Steel clips, drawing pins or cello tapes can be used.

ERASER

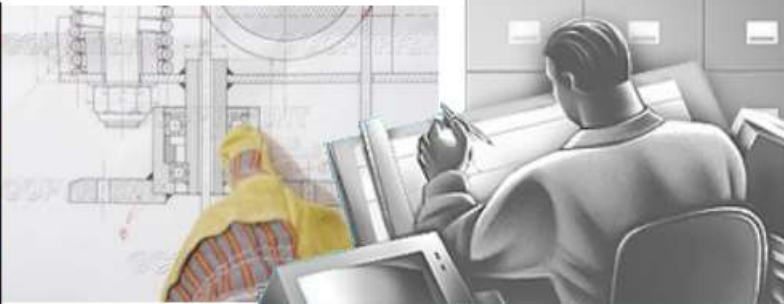
Erasers are available in different degree of hardness and abrasiveness. A soft pencil eraser is preferred for pencil drawings. Special ink erasers are available for inked drawing. A dusting brush can be used to remove eraser crumbs without smearing the drawing.

TEMPLATES

Variety of templates is available for special needs. Ellipse template, circular template, furniture template in different scales (1:100, 1:50 etc) are available. Different styles of lettering templates are also available in different sizes and scales.

SAND PAPER BLOCK

Sand paper block is used to shape the pencil lead.



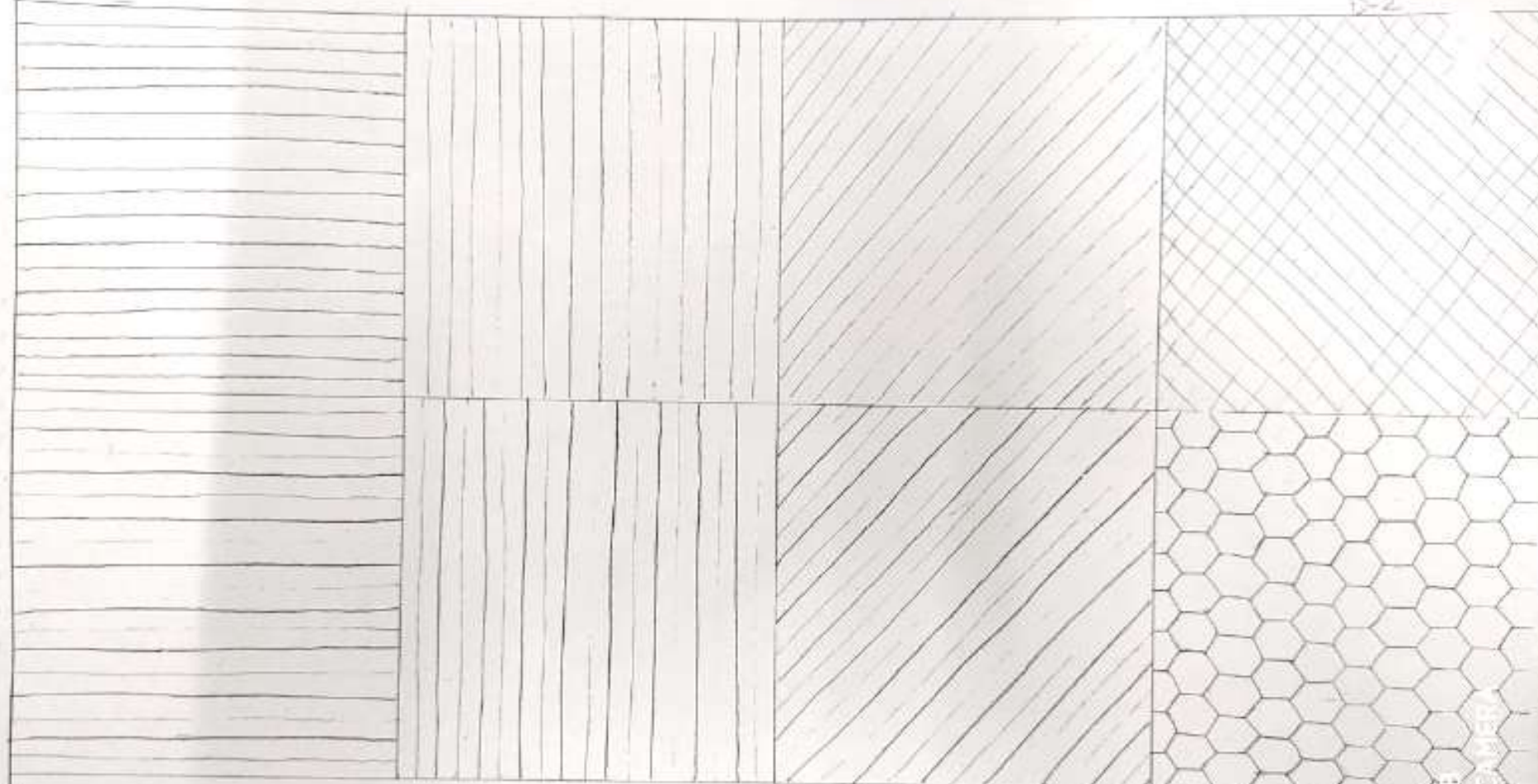
INTERIOR DESIGN VOL-1

Lecture – 2

Technical drawing line drafting

Line Drafting and Creative Objects Drawing





FREE HAND EXERCISE

NAME : LAVANYA.R.

DATE : 01-04-2014

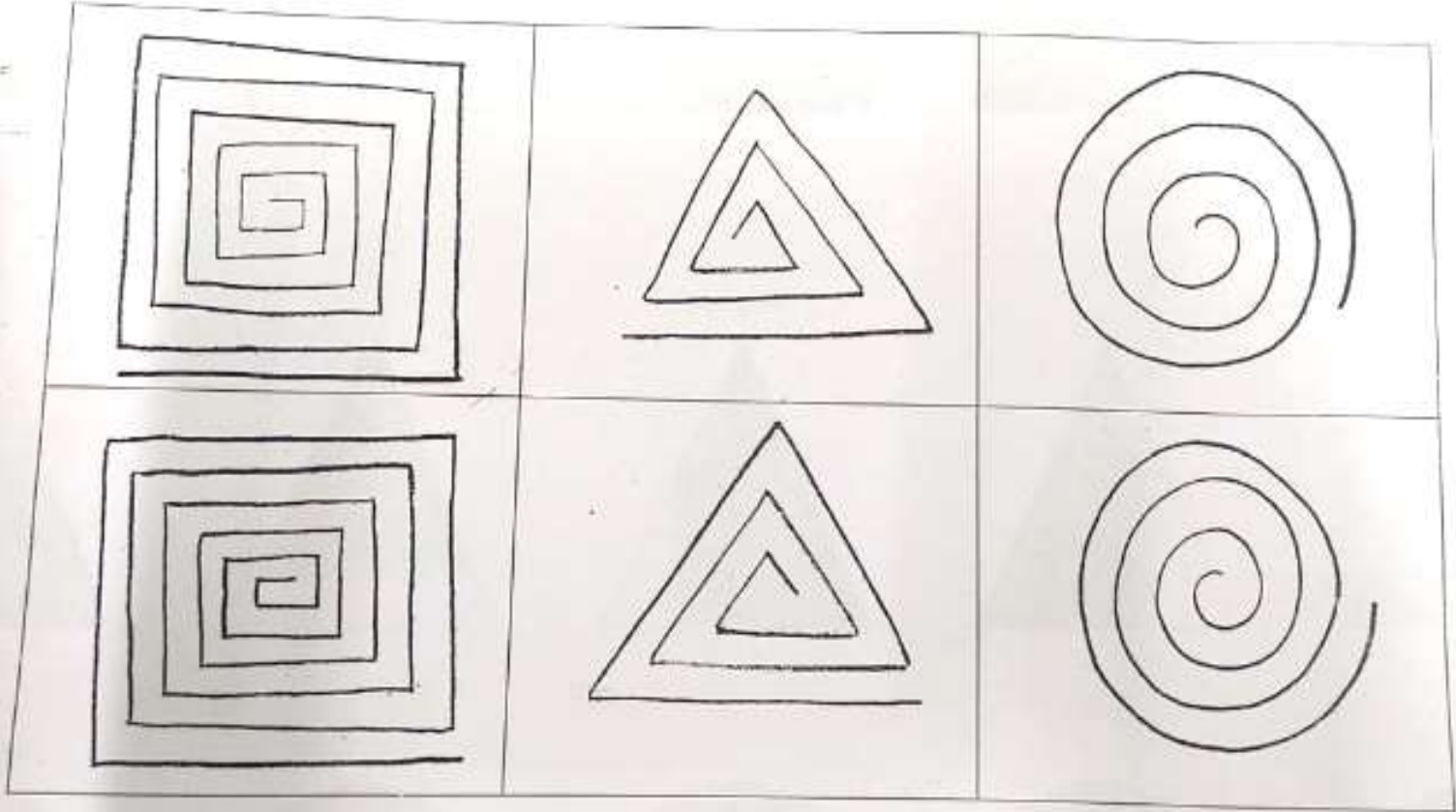
SHEET NO : 1

BATCH : 7:00am-11:00am dream zone

CENTRE : D2 MYLAHORE - dept of interior design

R-DM NOTE B
 SUBMP QUAD CAMERA
 008

Spirals



2B	6B	4B	2B	HB	H

Basic Lines & Curves

