

1. Elements of Designing

Point, Line, Shape, Plane, Texture, Color, Pattern, Form and Space

2. Principle of Designing

Balance, Rhythm, Harmony, Proportion, Order, Movement, & Compositions

3. Jewellery Designing: an overview

Sources & Inspirations

4. Metal

Precious metals : Gold, Silver & Platinum Characteristics/Properties and Classification of Metals , Metal Texture, Alloy

5. Gemology

Characteristics of Gem stones ,Physical Properties of Gem Stones, Optical Properties of Gem Stones , Moh's scale of Hardness , Classification and types , Precious and Semi precious Gems , Gems Stones, Shapes & cuts , Studying Different Cuts and Shapes of Stone

History of Diamond: The Dark Age , The Middle Age , Recent Time Type of Diamonds; White, Pink, Green, Yellow , Blue & Champagne Diamonds

Gemological Characteristics 4-c's of Diamond , Clarity , Colour grades , Cut , Carat

6. Gemstones setting

Study of Setting –Channel, Prong, Pave, Flush, Illusion, Invisible and Tension.

7. Basic Drawing and Sketching

Hand Control Exercises , Freehand Sketching , doodling, stippling, hatching, Shading of Different Geometrical Shapes ,Drawing and Rendering ,Rendering of different metals, Drawing and Rendering Gem Stones, Drawing of different Gem Stones , Size and Shapes of Gem Stones , Facets, Cabochons stones, Settings of Gem Stone, Finishing and Enhancement of Designs using different Settings.

8. Basic Knowledge of Coral draw

Introduction to the CorelDraw Program , Basic Tools in CorelDraw, Various Shapes , Color Fill & Outline Tools Design Development Motif development to make Jewellery Theme Based Designing Earrings Bracelets Pendants Rings Brooch Presentations Special Effects to Images, Backgrounds , Text Option, Frame , Detail of Jewellery piece.

9. Types of Jewellery (designing)

Women's Jewellery ; Brooches , Earring , Pendant , Bracelet, Anklets , Ring , Necklaces , Type of Necklace ; Choker Necklace, Dog Collar, Riviere, Lariat, Y Necklace, Segmented Necklace, Raani Haar, Tapering Necklace & Bridal Necklace

10. Costing and Pricing Strategies

Costing of a Jewellery Piece , Wastage , Labour Cost ,Determination of Profit , Selling Prices ,Jewellery Purchasing.

11. Main features of Jewellery of major International markets

USA • Japan • Dubai

12. Traditional Jewellery

Definition of Traditional jewellery ,Main features of Jewellery of major Indian markets , Kundan Meena Jewellery of Rajasthan

13. Manufacturing process

Handmade , Modeling ,Casting : Method of giving form to Molten metal. , The Development of casting technology , Model Types ,Lost Wax Casting Advantages & Limitations , Type of Wax Hand carving Wax Building or Sculpture Wax Soft Wax Tacky Sticks Water Soluble wax Injection,

14. Quality Control Process

Focus on Quality Control , Design , Manufacturing Activities , Purity , Certified Precious Stones, Price Stability , Process & Information Integrity

Hallmarking Introduction of Hallmarking, Certification of Gold , BIS Mark , Indian Scenario , BIS and Consumer Awareness

15. Care of jewellery

Storage, wear and cleaning , Wardrobe tips , Points To Keep In Mind for Prefect Jewellery Collection

16. Portfolio

One basic, design, mainportfolio submission

Project on favourite Designer

Project on market survey

Project on international market