

SEMESTER-III (Pool-B)

COURSE TITLE: JEWELLERY DESIGNING (CHOI-B23)

Number of Credit: 02

Maximum Marks 50

Jewellery design prepares you to embark on a glamorous and glittering career: Jewellery Designer, Jewellery Manager, CAD Designer, Gemmologist, Diamond Grader, Freelance Designer, etc.

Unit-I

Fundamentals of design:

- History of jewellery and art
- classification of jewellery
- Designing with different techniques and ideas
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Unit--II

Metallurgy:

- Materials for Design
- Metal and Stone Rendering Techniques
- Metallurgy and Casting process
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Unit-III

Diamond:

- Introduction to the Uniqueness of Diamond
- Journey from Mines to Cutter, Cutting & Polishing Process
- Diamond Grading 4 Cs: Colour, Clarity, Cut and Carat

Unit- IV

Gemmology

- Basic Qualities of a Gem
- Advanced technical design (studded)
- Setting of Gemstones in Jewellery
- Manufacturing tools and techniques, Fusing and Soldering, Cold Joining, Finishing

Unit- V

Advanced trend & design

- Computer-Aided Design (CAD) (rhino)
- Luxury & retail jewellery segments
- Gem and jewellery exports
- Merchandising, Branding
- Digital Representation.

Reference Books:

1. Jewellery of India by Chaturvedi.
2. Jewellery and personal adornment by Kamala Dong.
3. Traditional jewellery by OppiUntracht.
4. GIA.edu, Gemmology- by Peter Read
5. The art of Jewellery design – Elizabeth Oliver
6. Jewellery making and design – Augustus F Rose and Antonio Cirino
7. Gemstones of the World, Waltre Schumann, Sterling Publishing Company, Inc.,2009
8. Gemstones: Properties, Identification and Use ,Aruthur Thomas, New Holland Publishers, 2008
9. Gems and Gemstones: Timeless Natural Beauty of the Mineral World, Lance Grande, Allison Augustyn, University of Chicago Press, 2009
10. The jewelers Directory of shape and forum (Jewellery) Elizabeth olver
11. The design & creation of Jewellery (Jewellery Crafts)- Robert Von Nenmanu
12. Jewellery concepts &Technology_OppiUntracts
13. Theory & practice of Gold smithing – charleslewton Brain
14. Jewellery Technology Processes of Production. Methods, tools, instrumentsPintonD
15. Jewellery manufacturing Encyclopedia – Book -1
16. History of jewellery – Black
17. The Diamond Handbook, 2nd edition-Renee Newman
18. Diamond Compendium Book by DeeDee Cunningham
19. Diamond Design Book by Marcel Tolkowsky
20. 7 Big Mistakes you make while buying FINE JEWELLERY – Piyusha Nyati
21. The Properties and Application of Diamond – Eileen Wilks, John Wilks
22. <http://online-jewellery-designing-training.blogspot.in/> rhino
23. 3dcadjewelrydesignclasses.doattend.com
24. dsiidc.org/nij/jewellerydesigning
25. www.gia.edu/gem-education/program-jewelry-design-cad-cam
26. www.iigj.org/