



INTERNATIONAL COLLEGE FOR GIRLS (AUTONOMOUS)

DEPTT. OF JEWELLERY DESIGNING

CAREER ORIENTED & SKILL DEVELOPMENT COURSE

IN

JEWELLERY DESIGNING

- The Programmes** : **Certificate in Jewellery Designing**
: **Diploma in Jewellery Designing**
: **Advance Diploma in Jewellery Designing**
- Duration of the Course** : One Year (each course)
- Medium of Instruction** : English
- Eligibility for admission** : 10+2 for Certificate Course
: Certificate in Jewellery Designing for Diploma
: Diploma in Jewellery Designing for Advance
Diploma
- Course Hours** : 9.30 am to 11.00 am or as per master time table
- Breaks and Vacations** : As notified by the college

ICG- A HERITAGE OF VISION- A LEGACY OF INNOVATION

The International PG College for Girls, the only A+ college of Rajasthan accredited by the National Assessment and Accreditation Council- University Grants Commission, has made a mark in the educational environs of Rajasthan having just completed a decade of educational excellence. The ICG, though a new concept, has been firmly rooted and verdantly bloomed in our rich Indian culture with a laid emphasis on scientific temper and progressive outlook. Having taken off in 1995 with a faith of dreams and fire of will, the college now basks in the



golden hues of its unparalleled distinction through perseverance of students and the grit of its teachers.

Apart from regular UG and PG degrees, ICG offers a range of vocational courses. The courses in Jewellery designing are amongst those courses, which provide practical orientation to shape the career of the students according to their potential and talents.

INTRODUCTION

These add on Certificate, Diploma and Advance Diploma Courses are designed to equip the students with the techniques of Jewellery designing. The students shall acquire working knowledge of aesthetic and practical aspects of the field. The students of the course shall learn to illustrate shapes and forms of metals, faceted and cabochon stones and textures of jewellery surfaces. They will learn to create designs for men, women and children according to the popular trends. They will learn to design according to the peculiar tastes and demands of different markets. They shall be taught the technical and perspective drawings of various ornaments. After completion of the course, the students shall be eligible to work as a jewellery designer or as an entrepreneur in the jewellery industry. They will learn to use the computer as an aid to designing. They will learn about the latest trends and the famous names in Jewellery through Jewellery books, periodicals and the internet.

CLASS SCHEDULE AND REGULARITY

- Irregularity hampers the learning process and understanding of the subject. Minimum 75 percent attendance is required to appear at the final examination.
- The classes shall be conducted in the morning hours (9.30 am to 11.00 am), as per time-table prescribed by the college.
- The students shall be sent for internship towards the end of the course.

TEACHANG SCHEDULE

Certificate	300 hrs + 150 hrs Practical training
Diploma	300 hrs + 150 hrs Practical training
Advance Diploma	300 hrs + 150 hrs Practical training

Each Course will be of 300 hrs, including regular gemology classes and CAD classes, and one month internship in Certificate, Diploma and Advance Diploma courses. The proof of



successfully completing the Practical training/Internship shall be submitted in the form of a certificate issued by the concerned authority of organization where the candidate undergoes practical training/internship. The candidate will be required to prepare a report on the work done by her during internship, which will be evaluated by a panel of examiners through Presentation and by concocting a Viva-Voce on the same.

PEDAGOGICAL STRATEGIES

Apart from class activities and assignments students shall be given opportunities to attend exhibitions and fashion shows, and interact with senior professionals through seminars, symposia and other pedagogical methods on the areas of topical interest from time to time.

The students shall be visiting Jewellery factories and manufacturers during the session. The attendance to the field trips shall be compulsory. The students shall complete design projects given by people from the Jewellery industry. This will help them to gain a practical knowledge of designing. A factory visit will be scheduled after 50 % completion of the course.

PRACTICALS AND ASSIGNMENTS

- The students shall learn techniques to illustrate and render jewellery designs.
- They shall learn to design jewellery that is easy to manufacture, attractive, and saleable.
- They shall learn to design jewellery using different shapes, colours , metals, motifs and stones.
- The students shall submit assignments on time. All assignments shall be evaluated regularly.
- Required number of submissions shall be given by the students for the final evaluation.

EXAMINATIONS:

Annual Scheme of Examination will be

1. The number of papers, time duration of practical exam and the minimum and maximum marks for each paper shall be shown in the syllabus. Each theory paper shall be of 3 hrs. Duration.
2. There shall be objective type, short answer and long answer questions in each theory paper. The candidates will be given choice in each section.



3. A candidate has to secure 40% in continuous assessment and annual examination in individually in all papers so as declare her pass. A candidate is awarded class/division as per criterion given below:

40% or above but below 48%	Pass.
48% or above but below 60%	Second Division
60% or above but below 75%	First Division
75% or above	First with Credit.

4. A candidate failing in one paper only shall be allowed to take the exam in that paper in the successive academic year only. In all other cases the failing candidate has to repeat the course again by seeking regular admission.
5. A candidate needs to clear all exams in order to be eligible for promotion to the next level of courses. A Candidate securing less than 40% marks in maximum of one paper shall be allowed to take the exam not later than successive academic year only.
6. Internal assessment will constitute 30% of the total marks of each practical and theory paper in the form of continuous assessment. The continuous assessment shall be on the basis of home assignment, submission, Internal tests and regularity in attendance. The final exams will carry 70 % of the total marks which shall be assessed through written papers and practical exams.
7. A candidate passing the certificate course shall be eligible to seek admission to the Diploma course.
8. A candidate passing the Diploma course shall be eligible to seek admission to the Advance Diploma course.
9. The Certificate/ Diploma/ Advance Diploma shall be awarded by the college.
10. The marks for internship / training shall be given on the basis of report, presentation and viva voce.

CERTIFICATION:

The students who complete all assignments, adhere to the prescribed norms and fulfill the minimum requirements in continuous assessment as well as in the final examination shall be awarded the Certificate/ Diploma / Advance Diploma by the College.



CERTIFICATE COURSE IN JEWELLERY DESIGNING

Eligibility: 10+2

Teaching: 300 hrs

Paper Code	Paper title	credits	Time duration per week (hrs.)	Marks				Teaching Hrs.
	Theory:			Internal Marks	External Marks	Total Max. Marks	Mini. Pass Marks	
JWD 131	Fundamentals of Jewellery Design & Gemology	4	2	30	70	100	40	60 Hrs.
	Practical :							
JWD 132	Drawing & Rendering of Gem & Jewellery.	10	5	60	140	200	80	150hrs
JWD 133	Computer Aided Design	3	1.5	30	70	100	40	45 hrs
JWD 134	Project & Reports	3	1.5	30	70	100	40	45 hrs
JWD 135	Internship Report	10		30	70	100	40	1 Month

***Credit distribution for practical training/ internship will be based on**

Working with Agency	- 6 Credits
Report Writing and submission	- 2 Credits
Presentation	- 2 Credits



**Paper –I : Fundamentals of Jewellery Design & Germology
(Theory)
Paper Code : JWD 131**

Unit I - 15 Hrs

Fundamentals of Jewellery Designing

- Jewellery Designing an overview
- Elements of Designing
- Sources & Inspirations
- Lectures from Experts & Industry's people

Unit II - 15 Hrs

Gemology

- Introduction
- Characteristics and classification of Gem stones
- The 4C's of Diamonds
- Gem Stones settings

Unit III - 15 Hrs

Metal

- Characteristics/Properties and classification of Metals
- Metal Texture
- Form of Metal Decoration
- Alloy

Unit IV - 10 Hrs

Type of Jewellery

- **Women**
 - Earring
 - Pendant
 - Ring
 - Bracelet
 - Brooches

Unit V – 5 Hrs

- Safety and care of Jewellery
- Hallmarking
- Type of Clips & Clasps
- Components of Ring

PRACTICAL PAPERS:

**Paper –II : Drawing and Rendering of Gems & Jewellery
Paper Code: JWD 132**

- I. Designing I- (Metals forms & Decorations): –30 hrs**



- Metals forms
- Textures
- Metal Decorations

II. Designing II- (Gem Stones) : – 30hrs

- Drawing & rendering of faceted & cabochons Gem Stones

III. Designing III- Women’s Jewellery : – 50hrs

- Brooches
- Earring
- Pendant
- Rings
- (Top & perspective view)
- Bracelets
- Tanmaniya
- Party-wear

IV. Designing IV- Men’s Jewellery: – 20hrs

- Cufflinks
- Rings
- Bracelets
- Pendants
- Tie pin

V. Designing V-Teen & Youth’s : – 20hrs

- Pendants
- Earrings
- Rings
- Bracelets

Paper –III: Computer Aided Design (CorelDraw)

Paper Code: JWD 133

Basic Knowledge of Coral draw – 5 hrs

Theme based designing – 40 hrs

- Earrings
- Bracelets
- Pendants
- Rings
- Brooch

Paper –IV : Project & Reports : – 45 Hrs

Paper Code: JWD 134

- Report of Lectures from Experts & Industry’s people
- Reports of Jewellery Exhibitions visiting
- Work on particular theme (A3 paper)



References: Books/Periodicals required:

1. Techniques of Jewellery Illustration and Colour Rendering by Adolfo Mattiello
2. Jewellery Concept & Technology By Oppi Untracht
3. Gem Stone OF World

Available at:-

C.A.Publication

607, Girgaum Road, Ground Floor,
Opp.Wadia Fire Temple, Mumbai - 400 002. India.
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Mobile 91 22 2344 0548
Email : vbc@bom3.vsnl.net.in
Website : www.vaishalibookcentre.com

Journals:

1. JCK
2. The Art of Jewellery
3. Diamond World
4. Bangkok Gem & Jewellery
5. International Gold Magazine.
6. Gem & Jewellery

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Final Exam:

Theory : **Jwd 131:** Fundamental of Jewellery Designing, Gemology – **3 hrs.**

Practical: **Jwd 132:** Drawing & Rendering of Gem & Jewellery - **4 hrs.**

Jwd 133: Computer Aided Design – **3hrs**

Jwd 134:Project & Reports

Jwd 135: Internship Report



DIPLOMA COURSE IN JEWELLERY DESIGNING

Eligibility : Certificate Course

Teaching: 300 hrs

Paper Code	Papers title	credits	Time duration per week (hrs.)	Marks				Teaching Hrs.
	Theory :			Internal Marks	External Marks	Total Max. Marks	Mini. Pass Marks	
JWD 231	Jewellery Markets & Merchandising	4	2	30	70	100	40	60 hrs.
	Practical :							
JWD232	Market Oriented Designing & Cost-Based Designing	10	5	60	140	200	80	150 hrs
JWD 233	Computer aided Designing	3	1.5	30	70	100	40	45 hrs
JWD 234	Project& Seminar	3	1.5	30	70	100	40	45 hrs
JWD 235	Internship Report	10		30	70	100	40	1 month

***Credit distribution for practical training/ internship will be based on**

Working with Agency	- 6 Credits
Report Writing and submission	- 2 Credits
Presentation	- 2 Credits



Paper-I : Jewellery Markets and Merchandising (Theory)
Paper Code: JWD 231

Unit I - 10 hrs.

- **Main features of Jewellery of major international markets**
 - Italy
 - Germany
 - France
 - USA
 - Japan
 - Dubai

Unit II – 15 hrs

- **Main features of Jewellery in Indian market**
 - Rajasthan
 - Gujrat
 - North Kashmir
 - Bengal
 - Madras
 - maharastra
- **Traditional Jewellery**
 - Definition/ meaning
 - Filigree
- **Kundan Meena**
 - Kundan jewellery –
 - Concept & Basic Manufacturing Process
 - Enameling –
 - Meaning Composition & Process of Enameling
- **Necklaces (in Brief)**
 - Types of Necklace
 - Suitability of necklaces according to the Age group & Face cut
- **Anklets**
 - Meaning & Types of anklet
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Unit III– 15 hrs.

- **Merchandising**
 - Concept of Merchandising
- **Marketing of Jewellery**
 - Meaning & 7P's Of Marketing
 - Product
 - Price
 - Promotion
 - Place
 - Packaging
 - People



- Positioning
- **Tips How to Increase Sales**

Unit IV – 10 hrs

- **Brand Management**
 - Importance Of Brand
 - Types Of Brand
 - Brand Positioning
 - Building Brand personality
 - Strengthening online ideanity
- **Role of Advertisement in Jewellery trade**

Unit V – 10hrs

- **Survey and sourcing**
Visit to Gem and Jewellery houses & preparation of study report.
- **Points To Keep In Mind for Prefect Jewellery Collection**
- **Advantages Of Jewellery Exhibitions & Trade Fairs**

PRACTICAL PAPERS :

**Paper –II : Market Oriented Designing & Cost Based Designing :
Paper Code: JWD 232**

- I. Designing I – Orthographic Views:** – 30 hrs
 - Technical Drawings of Rings
 - Technical Drawings of Pendants
 - Technical Drawings of Earrings
- II. Designing – II International Market Oriented Designing :** – 20 hrs
 - Designing a ring for any one major international market
 - Designing a pendant for any one major international market
 - Designing an earring for any one major international market
 - Designing a brooch for any one major international market
 - Designing a bracelet/Bangle for any one major international market
- III. Designing – III Indian Market Oriented Designing** – 20hrs
 - Designing a ring for any one major Indian market
 - Designing a pendant for any one major Indian market
 - Designing an earring for any one major Indian market
 - Designing a brooch for any one major Indian market
 - Designing a bracelet/Bangle for any one major Indian market



IV. Designing – IV Traditional & Kundan Meena Sets

- Kundan meena Pendent, Earring & Necklace
- Bridal Necklace
- Tapering necklace
- Choker
- Raani Haar

V. Designing – V Cost based Designing

--30hrs

- Designing a Brooch Set for a Particular Cost-Price
- Designing a Male Ring for a Particular Cost-Price
- Designing a Pendant and earring Set for a Particular Cost-Price for Indian market
- Designing a Bracelet for a Particular Cost-Price

Paper III : Computer Aided Designing

Paper Code: JWD 233

CorelDraw, Internet & MS-Excel :

- MS –Excel (costing) – 5 hrs
- CorelDraw - Necklaces sets – 35hrs
- Internet (Uses of Internet in Jewellery Designing) – 5hrs

Paper IV : Project & Seminars

– 45 hrs

Paper Code: JWD 234

- **Project**
- **Seminar**

References: Books:–

1. Jewellery Concepts and Technology by Oppi Untracht.
2. BertoZri
3. Cartier
4. 3d design
5. Diamond Grading
6. WHY WE BUY - PACO UNDERHILL
7. ENGINEERINGDRAWING N. D. Bhatt and V. M. Panchal

Available at:-

C.A.Publication ,

607, Girgaum Road, Ground Floor,
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Journals:

1. Basel,
2. JCK,
3. Coutoure International Jeweler
4. Diamond World
5. Art of Jewellery,
6. Gem World,
7. Solitaire international
8. Accessories (USA)
9. VICENZA ORO
10. Vogue Gioiello+ Supplement
11. Facets
12. Luster

Final Exam: Theory:

Jwd 231: Jewellery Markets & Merchandising

– 3 hrs.

Practical:

Jwd 232: Market Oriented Designing & Cost- Based Designing – **4 hrs.**

Jwd 233: Computer Aided Designing

– 3 hrs

Jwd 234: Project & seminar

Jwd 235: Internship Report



ADVANCE DIPLOMA COURSE IN JEWELLERY DESIGNING

Eligibility: One Year Diploma

Teaching: 300 Hrs

Paper Code	Paper Title	credits	Time duration per week (hrs.)	Marks				Teaching Hrs.
	Theory			Internal Marks	External Marks	Total Max. Marks	Mini. Pass Marks	
JWD 331	History of Jewellery & Manufacturing process	4	2	30	70	100	40	60 Hrs.
	Practical :							
JWD 332	Manufacturing process)	8	4	60	140	200	80	120hrs
JWD 333	Accessory & Theme Based Designing:	3	1.5	30	70	100	40	45 hrs
JWD 334	Designing IV (Computer aided designing - Jewel cad)	3	1.5	30	70	100	40	45 hrs
JWD 335	Project & seminar	2	1	30	70	100	40	30 hrs
JWD 336	Internship Report	10		30	70	100	40	1month

***Credit distribution for practical training/ internship will be based on**

Working with Agency - 6 Credits
Report Writing and submission - 2 Credits
Presentation -2Credits



Paper-I : History of Jewellery & Manufacturing process (Theory)
Paper Code: JWD 331

Unit I

- **Study of History of Jewellery and their influence on major jewellery houses**
- 10 hrs

Art Nouveau
Art Deco
Edwardian Styles
Victorian Jewellery

Unit II

- **Manufacturing process** – 15 hrs
 - Handmade jewellery
 - Solders & Soldering

Unit III

- Casting, Electroforming & quality control process – 10 hrs

Unit IV

Special processes – 15 hrs

- Enameling
- Sand blasting
- Filigree work
- Rawa work

Unit V

- Polishing
 - Electroplating
 - Laser technology
- 10 hrs



PRACTICAL PAPERS :

Paper-II : Manufacturing Process :

Paper Code: JWD 332

– 120hrs

- Jewellery Making Techniques
- **Manufacturing of :**
 - Filing
 - sawing
 - forming the metal
 - soldering
 - Pendant
 - Earring
- **Enameling**
 - Enhance beads with colourful patterns.
 - Create colourful charms
 - Use it over engravings to add a new dimension to your jewellery.

Paper-III : Accessory & Theme Based Designing :

Paper Code: JWD 333

Designing I: Accessory Designing

– 15 hrs

- Male/female Watch
- Pen studded with diamonds/colour stones
- Belt buckle keeping
- Spectacles /goggle
- Footwear's buckle
- Hairpin/Back pin
- Mobile cover along with charms
- Others

Designing I: Theme based Designing

– 15 hrs

- Using a Historical Period (Art Nouveau, Art Deco, Edwardian, Victorian Jewellery) or any other theme for designing a pendant-earring set
- Using a Historical Period (Art Nouveau, Art Deco, Edwardian, Victorian) or any other theme for designing a ring
- Using a Historical Period (Art Nouveau, Art Deco, Edwardian, Victorian) or any other theme for designing a bracelet
- Using a Historical Period (Art Nouveau, Art Deco, Edwardian, Victorian) or any other theme for designing a necklace set

Designing III :Reality based Designing for Manufacturer:

– 15 hrs

- Designing a Ring for a manufacturer based on his requirements (With inputs for cost, stones metal etc.)



- Designing a Necklace set for a manufacturer based on his requirements (With inputs for cost, stones metal etc.)
- Designing a Bracelet for a manufacturer based on his requirements (With inputs for cost, stones metal etc.)
- Designing a Pendant for a manufacturer based on his requirements (With inputs for cost, stones metal etc.)

Paper-IV : Computer aided design -Jewel cad/ Rhinosources

- 45 hrs

Paper Code: JWD 334

- Designing different variety of Earrings
- Pendants
- Rings. .

Paper-V : Project & Seminar

– 30 hrs **Paper**

Code: JWD 335

References: Books/Periodicals Recommended:

References: Books:-

1. Jewellery Making Techniques
2. Stone identification and classification
3. Dance of peacock by Usha balkrishnan
4. Art deco jewellery design book

Available at:-

C.A.Publication,

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Journals:

1. Jewelbiz
2. Solitaire international
3. Art of Jewellery,



4. Facets
5. Gold Magazine
6. Luster
7. J Q Magazine
8. Couture International Jeweler
9. International Watch (USA)
10. Jewelleru News Asia
11. Accessories (USA)
12. VICENZA ORO
13. Vogue Gioiello+ Supplement
14. 18 Karati Export

Final Exam: Theory:

Jwd 331: History of Jewellery Designing, Manufacturing & Gemology – 3 hrs.

Practical:

Jwd 332: Manufacturing Process (Practical) – 5 hrs.

Jwd 333: Accessory & Theme Based Designing – 4hrs.

Jwd 334: Computer aided design - Jewelcad – 3 hrs

Jwd 335: Project & seminar

Jwd 336: Internship Report



MATERIAL REQUIRED (For Course)

- Pencils .5 and .35 (Rotring Germany) with Replaceable leads.
- 1 Steadler Eraser.
- Box of 24 Coloured Pencils (Steadler)
- 2 Small Triangles. (set squares)
- 4 Templates (1 for all shapes – Complex, 1 for Ellipses, 1 for rounds Bangles)
- 1 Pencil Sharpener
- 1 6-inch ruler
- 1 Drawing Board.
- Box of 12 Water Colours.
- 1 Pelikan White Paint
- 2 Fine Art Paint Brushes No. 0 and 00
- 1 Palette
- 1 Cutter
- 1 Rim Executive Bond Paper
- 12 A-4 Size Vellum Paper
- 1 Shading Stump
- Rotring Pen (Black ink)
- 20 Mounting sheets (Handmade/gray/black/blue)
- Folder (Port folio)