



Certification Course In Gold Assaying

Welcome to the **Certification Course In Gold Assaying** course a vital study essential for professionals across industries. Gold's enduring value and widespread use make accurate assessment imperative. This course equips you with the skills to ensure gold's integrity in mining, jewellery, and trade. Join us to master the principles and techniques vital for upholding gold's reliability globally.

WHAT YOU WILL LEARN?

Theory Content

- Lab safety practices
- Basic metallurgy of gold
 - Introduction with periodic table and crystal structure of gold
 - Basic physiochemical and metallurgical properties of gold
- XRF principal and instrumentation
- Sampling techniques
- Techniques of preliminary analysis
- Gold testing with classical fire assay technique
 - Basic Introduction about Fire Assay process and overview of is 1418
 - Cupellation and significance of process parameters
 - Parting process and significance of process parameters
 - Distribution of PGM element in gold & fire assay for such samples
- Major challenges in fire assay process fire assay of fine gold
- Error analysis and accuracy and precision in measurements
- Hallmarking - rules and regulations (IS 15820)

Practical Content

1. Basic Introduction and Practical hands on with all instrument setup available with IAGES
2. XRF instrument verification with standard strip
3. Practical hands on with XRF instrument (at least with 5 different purity samples)
4. Calibration of XRF machines with various standards and result interpretation
5. Practical hands on with classical fire assay technique (4 complete cycles)
6. Verification and Calibration of Lab equipment's.

Program ID

IIG701 IAGES-GA

Duration in Hours

60 Clock Hours

Program Length

8 Weeks

(May vary based on holidays and other scheduled breaks)

What You Earn?

Certification Course In Gold Assaying Certificate

Who Should Pursue?

Jewellery Artisans
Jewellery Designer / Freelancer
Jewellery Consultant
Jewellery Merchandiser
Jewellery Manufacturer
Jewellery Business Owner
PD Executive/ Manager
Jewellery Practitioners
Retailers / Wholesalers
Auctioneers / Researchers

Batch Timings

Morning: 10 AM to 1 PM
Afternoon: 2 PM to 5 PM

Mode of Learning

Offline - Online

Campus

Mumbai, Surat, Kolkata, Bengaluru

ABOUT INTERNATIONAL INSTITUTE OF GEMOLOGY (IIG)

International Institute of Gemology (IIG) was established in the year 1965. We have educated more than 1,00,000 skilled professionals over the 5 decades of being in the industry. With over 25 specialized courses spread across Gems and Jewellery education array, we have the best-of-the-class professors conducting them..

Being an institute that believes in excellence, we offer programs of gems and jewellery education in not just Indian, but international languages too. Some of our programs are also recognized by the University of Mumbai. Every program holds global credibility.

It is our constant endeavor to develop individuals with a global vision who have a passion for gems and are visioned to turn that passion into expertise. In an industry built on a standard template, we believe in delivering tailored solutions for each of our students.



Since 1965

Imparting Excellence
in G&J Education

5,000+

Successful Designers
Graduated

100%

Market Oriented
Practical Curriculum

- ☐ Globally recognized programs, certified by University of Mumbai
- ☐ Hands on training by industry experts & experienced faculties
- ☐ Most successful placement assistance with industry renowned Jewellery Houses
- ☐ Business/startup advisory as well as professional advise on Jewellery Business Consultancy
- ☐ Flexibility in duration, learn at your pace, one on one focus
- ☐ In-depth knowledge about creative designing and jewellery manufacturing methods
- ☐ Understanding jewellery design concepts, rendering, coloring, budgeting etc.
- ☐ Industry/Market visits such as field trips, museums, exhibitions, factories and manufacturing units
- ☐ Excellent opportunities for networking to boost your reputation as a skilled jewellery designer
- ☐ IAGES-GA study materials
- ☐ Free lifetime guidance and mentoring
- ☐ IIG alumni club membership



INTERNATIONAL
INSTITUTE OF
GEMOLOGY

POWERED BY SRDC SINCE 1965



Scan to reach us

If you're considering studies at the International Institute of Gemology, we'd love to hear from you online or meet you on campus.

OFFICE HOURS

Monday - Friday: 09:00 - 17:30
Saturday: 09:00 - 14:00

f x @ in y /iigofficial

IAGES

206, 2nd Floor, "B" Wing,
Floral Deck Plaza,
Central MIDC Road,
Off SEEPZ, Andheri (East),
Mumbai - 400093, MH - India.

+91 74 000 87183

inquiry@iigindia.com

IIG

1508, Panchratna Bldg,
M. Parmanand Marg,
Near Opera House,
Mumbai - 400 004,
MH - India.

+91 93 222 62357

info@iigindia.com

Mumbai | Surat | Kolkata | Bengaluru | Hong Kong