



GEMOLOGY WORLD TM

The Canadian Institute of Gemmology (C.I.G.) was one of the first institutions with a gems and jewellery related World Wide Web site on the internet. In the beginning the course catalogue, information about GemForum events, selected articles of Gemmology Canada and an electronic gemstone library were available on-line. More recently GEMOLOGY WORLD has developed into a multi-media site with many links to other gemmology related references around the world. It has become an exciting learning tool.

The Gem Connoisseur Club provides free web pages to its members. GemForum has expanded into an Information Exchange Source with important news for professional gemmologists and appraisers. If you are already surfing cyberspace visit GEMOLOGY WORLD by pointing your browser to <http://www.cigem.ca> and enjoy!

Gemstones have intrigued mankind since early times in history. Today new challenges have to be met by the practising gemmologist in detecting synthetic gem materials, colour enhanced and simulated gemstones.



The Canadian Institute of Gemmology (C.I.G.) is a non-profit educational institution serving the jewellery industry and the general public since 1983.



Through our subsidiary Gemlab Research & Technology we sell advanced gem testing equipment for gemmologists and appraisers.



Member European Parliament of Schools for Jewellery Arts



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Canadian Institute of Gemmology

**GEMSTONES
DIAMONDS**

**JEWELLERY, HISTORY AND
DESIGN**

**GEM IDENTIFICATION I
PEARLS, OPAL and JADE**

Study through correspondence

and become a

**"Fine Jewellery
Expert"**

Explore the exciting world of diamonds, colour gems and jewellery. Improve your knowledge for your personal enjoyment and career advancement.

The C.I.G.'s Gem Appreciation distance education courses Gemstones (Gemmology I), Gemmology II and Gem Identification I, Diamonds, Jewellery, History and Design, Pearls, Opal and Jade are for the person who wishes to discover the fascinating world of gems and jewellery.

They lead to the prestigious "Fine Jewellery Expert" certificate and can be used as credits towards the professional development program to obtain the Accredited Gemmologist (C.I.G.)[®] designation.

110 GEMSTONES (Gemmology I)

This is a general interest course introducing the basic identifying features of all important gems, including their appearance, special physical and optical characteristics, their occurrence and value factors. Also included is an introduction to diamond and colour gem grading, the use of basic gem testing instruments to aid identification. Also available in SPANISH.

Fee \$ 495 includes text: Guide to Gems. This course has 10 lessons and is offered as an evening course or through correspondence Certificate.

Course Content: 1. Nature of Gemstones (1), Diamonds and Corundum 2. Nature of Gemstones (2), Beryl and organic gems 3. Crystal Structure and Origin of Gems, Opal, Topaz and Jade 4. Gem Cutting and Care, Garnet, Quartz and Spodumene 5. Gemstone Identification (1), Tourmaline, Chrysoberyl and others 6. Gemstone Identification (2), Diamond Grading (1) 7. Gemstone Economics, Markets and Values, Diamond Grading (2) 8. Colour Gem Grading and Appraisals 9. Gem Enhancement and Synthetic Gems 10. Review, Jewellery Manufacture, History and Fashion

120 GEMMOLOGY II (Theory Course)

This course covers the physical and optical properties of gems such as refraction, reflection, gem crystallography, pleochroism, absorption spectra, etc. It explains the various instruments used in gem identification.



Fee \$ 445 incl. text: Gemmology by Peter Read. The course contains 10 correspondence lessons with essay type questions. Comprehensive answer sheets will be provided to prepare for the written exam. Course Type: Correspondence only.

Note: This course is recommended together with course GEM 110 and is a pre-requisite for GEM150 Gem Identification I.

Course Content: 1. Gemmology, the science of gem materials 2. Colour, lustre and sheen 3. Crystallography, the science of crystal structure 4. Hardness, fracture, cleavage and parting 5. Specific Gravity 6. Refractive Index and double refraction 7. The optics of polished gemstones 8. Absorption and emission spectra 9. Luminescent and electrical properties of gems 10. Organic gem materials and their simulants 11. Synthetic gemstones 12. Gemstone simulants

130 DIAMONDS

In eight lessons you will learn everything you need to know about diamonds. Sell more and answer customer questions with confidence. Introduction to diamond grading and jewellery fashion.

Fee \$ 495 includes text: The Diamond Ring Buying Guide, Video DVD and study materials. Course Type: Evening, weekend course and correspondence Certificate after written exam. No prerequisites.

Course Content: 1. Diamonds. How they are created. 2. The Beauty of Diamonds 3. Weight and Colour of Diamonds. 4. Judging the Clarity of Diamonds. 5. Judging the Cut of Diamonds. 6. Diamond or Imitation? Gold, Platinum. 7. Choosing an Appropriate Style. 8. Choosing a Diamond Ring, Judging Craftmanship.

140 JEWELLERY, HISTORY AND DESIGN

This course is a must for all jewellery collectors and enthusiasts. In ten lessons a survey of jewellery from the ancient world to the present day will be taken.

Fee \$ 395 includes text Jewellery - From Antiquity to the Present and Diamond Handbook (2nd edition) Course Type: Correspondence only. Certificate of Completion.

150 GEM IDENTIFICATION I

In this intensive lab course you will use the full range of gem testing equipment necessary to identify natural, imitation and synthetic gemstones. In 10 lab assignments students will identify between 80 and 100 gemstones including synthetic stones. Each student has access to a fully equipped work-station with stereo-microscope, polariscope, refractometer, spectroscope and spectrometer for UV-VIS and VIS-NIR absorption measurements.

Fee \$ 1,495 covers use of all text-books and study materials. Evening course, four-day compact workshop in various cities and through correspondence (student must have own instruments; exam fee: \$ 200). Prerequisite: GEM110, GEM120 or equivalent.

160 PEARLS, OPAL and JADE

In seven lessons students learn about pearl types and shapes incl. black and South Sea pearls, how to judge lustre, thickness, colour and size. History, occurrence, identification and evaluation of opal and jade.

Fee \$ 495 includes text: The Pearl Buying Guide, Gem Series: Pearls, Opal, Jade and study materials. Course type: evening, weekend course and correspondence. Final Written Test.

All courses leading to the "Fine Jewellery Expert (C.I.G.)" certificate must be completed in 12 months. Please read carefully the enrollment application form; register for each course on-line separately.