



Gemological  
Research  
Industries Inc.

## 2 DAYS BASIC DIAMOND GRADING PROGRAM

No previous gemmological education required

**Instructor:** Branko Deljanin, B.Sc., GG, FGA, DUG

### **DAY 1 (9.00am-5 pm)**

#### **Introduction**

Chemical and Physical properties of Diamond.  
Optical properties and internal and external features.  
Natural and synthetic gems used to simulate Diamond.  
The use of loupe and microscope in diamond grading.

#### **Colour**

International grading systems for grading colour  
Fluorescence and influence on color grade.  
Using Master Stones to grade colour.  
Grading colour on loose diamonds.  
Grading colour on mounted diamonds.

#### **Cut**

The Round Brilliant cut - facets and angles - how this cut affects appearance.  
Old European cut - how this cut affects appearance.  
How cut in general affects appearance – reflection and refraction.  
Explaining the cut grade, ie. symmetry, proportion, table size, etc.

**LAB:** A DEMONSTRATION OF USING THE LOUPE, MICROSCOPE, COLOUR MASTERS IN OBSERVING INCLUSIONS, COLOUR AND CUT.

### **DAY 2 (9.00am-5 pm))**

#### **Clarity**

How clarity affects appearance and durability.  
Explaining clarity scale and description of each grade.  
Explaining clarity types, ie. Inclusions (knot) and blemishes (cavity)..  
Finding major grade setting inclusions.  
Examining the stone for surface characteristics.  
International grading systems for grading diamonds

#### **Carat weight**

The introduction of the metric measurement.  
Estimating the carat weight of diamonds by measurement and formulas, estimation of mounted stones

**LAB:** A DEMONSTRATION OF GRADING . STUDENTS TO HAVE EXERCISE ESTABLISHING WEIGHT OF MOUNTED DIAMONDS.

AFTER 1 DAY PROGRAM STUDENTS RECEIVE LETTER OF COMPLETION.

To register please contact Branko D at [info@BrankoGems.com](mailto:info@BrankoGems.com) or 604-619-3590