



Diamond Principles Course Syllabus

Diamond Principles Course

The Diamond Principles Course provides individuals with a uniquely condensed introduction to diamonds. Attendees will gain considerable insight into the natural, treated and synthetic diamonds as well as a basic introduction to the instrumentation used for their identification and grading.

Course Structure

The course provides an introduction to diamond studies that begins with the romance of diamonds and their basic gemmology and geology as well as exploration and production techniques. Attendees will learn about the main diamond cutting processes evolution through ages alongside the grading methodology. In addition, attendees will develop a general understanding of the Kimberley Process Certification Scheme, different diamond treatments, lab-grown methods and different simulants and their identification methods. The course will also include a list of famous diamonds that have marked the history of the diamond industry.

Lesson Plan

- Diamond symbols
- Basic gemmology and geology of diamonds
- Diamond exploration and production
- Modern cutting processes and historic diamond cuts
- Grading of diamonds, including fancy colour and shape diamonds
- Diamond pricing, care and cleaning
- Kimberley Process Certification Scheme
- Colour and clarity treatments of diamonds
- Lab-grown diamonds and simulants
- Understanding the different laboratory equipment used to separate natural diamonds from lab-grown diamonds and to identify treatments
- Famous diamonds