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**Advanced Gemmological Programme  
Ruby, Sapphire, Emerald**

**In collaboration with A.E.T.A**

The possibilities of origin determination, the new techniques in synthesis and treatments of corundum and emerald are discussed. At the end of the course the students should be able to identify the most characteristic inclusions of natural, synthetic and treated stones.

**Content of the course:**

**Day 1**

- Importance of gemstone certificate
- Prices of natural versus synthetic, and untreated versus treated gems
- Most important gem sources and link with gem value
- Methods to determine the geographic origin of gems
- Geology, formation and possibilities of origin determination of corundum
- Practice

**Day 2**

- History of corundum treatments, approach to the new techniques
- Practice

**Day 3**

- Geology, formation and possibilities of origin determination of emerald
- History of emerald treatments, approach to the new techniques
- Practice

**Day 4**

- Corundum synthesis
- Emerald synthesis
- Practice

**Day 5**

- Course evaluation

**For further information, please contact  
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