

# SSEF Swiss Gemmological Institute

## Courses in Gemmology 2010



Since the successful beginning in 2001, SSEF Swiss Gemmological Institute offers a broad spectrum of gemmological courses. During the last years, hundreds of students have participated in our gemmological courses.

In 2010 we offer again many possibilities to improve your skills by hands-on practical training in all divisions of gemmology.

Our program consists of the following levels of interest:

Basic formation:

**SSEF Basic Training Course** (12 days course)

no gemmological education required

- learn gemmological basics about coloured stones, diamonds and pearls
- possibility to graduate: SSEF Basic Gemmologist Certificate

**SSEF Basic Diamond Course** (one week course)

no gemmological education required

- learn the basics about diamonds and diamond grading
- possibility to graduate: SSEF Basic Diamond Certificate



Advanced formation:

**SSEF Advanced Training Courses** (one week course)

basic gemmological education required

- various courses on most debated topics in gemmology

**SSEF Workshops to prepare for the FGA Diploma**

(FGA, Fellow of the Gemmological Association of Great Britain)

- the perfect preparation for the FGA examinations



Scientific formation:

**SSEF Scientific Gemmology Course** (one week course)

solid gemmological experience required

- one week course on advanced instrumental techniques in gemmology
- each student receives the SSEF Scientific Gemmologist Certificate

**SSEF Scientific Diamond Course** (one week course)

solid gemmological experience required

- one week course on advanced instrumental techniques for diamonds
- each student receives the SSEF Scientific Diamond Certificate



Compare our courses with other gemmological programs. We are sure that SSEF Swiss Gemmological Institute will be your favourite choice if you are interested in a highly reputed and up-to-date education in gemmology.

Reminder:

If you register before 31 December 2009 for a course in 2010, you will profit from a **10% reduction** on the normal course fee.

please contact:

SSEF Swiss Gemmological Institute

tel. +41 (0)61 262 06 40,

www.ssef.ch

fax. +41 (0)61 262 06 41

gemlab@ssef.ch



## SSEF Basic Training Course

(CHF 4000.- for all the course, CHF 400.- per single course day)

Gain basic gemmological knowledge with our intense gemmological formation in **12 days!** Main topics are: Identification of gemstones, diamond testing and pearl testing. The course days have a modular structure. Successful participants of the final exam will receive the SSEF Basic Gemmologist Certificate.

with the modules:

all 12 course days BTC  
21 June - 6 July

all 12 modules 4000.- Swiss Francs

or single modules 400.- Swiss Francs per course day

Mon 21 June BTC 1b

- BTC 1b) Introduction into Gemmology

Tue 22 June BTC 2b

- BTC 2b) Instruments 1: The refractometer

Wed 23 June BTC 3b

- BTC 3b) Instruments 2: Other instruments for gemstone identification

Thu 24 June BTC 4b

- BTC 4b) Natural stones, synthetics, and artificial products

Fri 25 June BTC 5b

- BTC 5b) Practical Training

Mon 28 June BTC 6b

- BTC 6b) Diamond

Tue 29 June BTC 7b

- BTC 7b) Gemstone treatments

Wed 30 June BTC 8b

- BTC 8b) Practical Training

Thu 1 July BTC 9b

- BTC 9b) Pearl course

Fri 2 July BTC 10b

- BTC 10b) Trade rules (CIBJO) & Practical Training

Mon 5 July BTC 11b

- BTC 11b) Preparation for the final exam

Tue 6 July BTC 12b

- BTC 11b) Exam for the SSEF Basic Gemmologist Certificate

Tue 12 Jan Practical

Practical training: to practise what you have learnt

Mon 3 May Practical

Practical training: to practise what you have learnt

Tue 8 June Practical

Practical training: to practise what you have learnt

Fri 12 Nov Practical

Practical training: to practise what you have learnt

please send to:  
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Swiss Gemmological Institute  
Falknerstrasse 9  
CH-4051 Basel, Switzerland  
tel. ++41-(0)61-262 06 40  
fax. ++41-(0)61 262 06 41  
email: gemlab@ssef.ch

### Registration Form

(before 31 Dec. 2009 you will profit from a **10% reduction**)

Name: \_\_\_\_\_

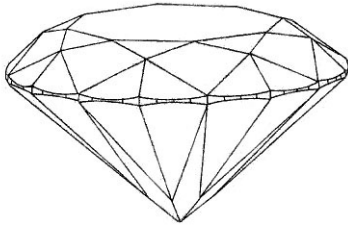
Address: \_\_\_\_\_

ZIP Code: \_\_\_\_\_ City: \_\_\_\_\_ Country: \_\_\_\_\_

tel.: \_\_\_\_\_ fax.: \_\_\_\_\_

email: \_\_\_\_\_

## SSEF Basic Diamond Course



(CHF 2000.- per participant)

One-week intense training on diamonds. The is specially designed for sales staff is focusing on the following topics: the formation of diamond, the properties of diamond, the quality grading of diamond, the myth of diamond. During the course you will have a lot of hands-on-practice on diamonds. Successful participants of the final exam will receive the SSEF Basic Diamond Certificate.

Mon 18 Oct. 2010  
to Fri 22 Oct. 2010

with the modules:

- BDC 1c) Introduction: diamond, formation and mining
- BDC 2c) Diamond, synthetic diamond and diamond imitations
- BDC 3c) The clarity-grading of diamonds
- BDC 4c) The colour-grading of diamonds

Exam for the SSEF Basic Diamond Certificate



## SSEF Workshop for the FGA Diploma

(800.- CHF per participant for the two-days course)

The SSEF Workshop is a two-day course offered as a completion to the FGA correspondence course (FGA: Fellow of the Gemmological Association GemA). This course is the ideal preparation for the FGA exams and is offered one week before the FGA exams in January and June each year. The workshop consists of a practical training day (preparation for the practical FGA examination) and a theory training day (preparation of the theoretical FGA examination).

Mon - Tue 11 - 12 Jan 2010

Mon - Tue 7 - 8 June 2010

Mon - Tue 10 - 11 Jan 2011

SSEF Workshop January 2010

SSEF Workshop June 2010

SSEF Workshop January 2011

please send to:

SSEF

Swiss Gemmological Institute

Falknerstrasse 9

CH-4051 Basel, Switzerland

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fax. ++41-(0)61 262 06 41

email: [gemlab@ssef.ch](mailto:gemlab@ssef.ch)

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email: \_\_\_\_\_



## SSEF Advanced Training Course

Upgrade your knowledge in gemmology and learn about the detection of gemstone treatments and how the origin of gemstones may be determined. The course modules can be followed as single course days or as a one-week course. Each course module can be adapted to your specific needs (details on request). Basic knowledge in gemmology is required.

### Coloured stones:

(CHF 600.- per course day; CHF 3000.- for the one-week course)

<input type="checkbox"/>	Mon 27 Sept.	ATC 1a
<input type="checkbox"/>	Tue 28 Sept.	ATC 2a
<input type="checkbox"/>	Wed. 29 Sept.	ATC 2a
<input type="checkbox"/>	Thu 30 Sept.	ATC 3a
<input type="checkbox"/>	Fri 1 Oct.	ATC

Heat treatment of sapphire and ruby:  
Microscopic features for a detection of heat treated rubies and sapphires

Origin determination of ruby:  
Methods and possibilities of an origin determination

Origin determination of sapphire:  
Methods and possibilities of an origin determination

Clarity enhancement and origin determination of emerald:  
Detection of fissure filled emerald and determination of origin of emeralds

Practical Training

### diamonds:

<input type="checkbox"/>	Mon 25 Oct.	ATC 4a
<input type="checkbox"/>	Tue - Thu 26 - 28 Oct.	ATC 5a

Treatments of diamond (CHF 600.- per participant):  
Methods to detect fissure filling, irradiation, HPHT- and HT-treatment

Quality check of small diamonds (CHF 1800.- per participant):  
How to define and control quality criteria for small diamonds

*Especially for the Watch Industry*

### Pearls (CHF 2400.- per participant):

<input type="checkbox"/>	Mon. - Wed. 19 - 21 April	ATC 6a
<input type="checkbox"/>	Mon. - Wed. 22 - 24 Nov.	ATC 6a

Formation and identification of natural and cultured pearls.  
Treatment detection of pearls

Formation and identification of natural and cultured pearls.  
Treatment detection of pearls

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email: \_\_\_\_\_



## SSEF Scientific Gemmology Course

(4000.- CHF per participant)

Intense one-week course in scientific gemmology. You will work hands-on with scientific gemmological methods such as:

FTIR spectrometry, UV-VIS spectrometry, Raman microspectrometry, X-ray fluorescence spectrometry (XRF), Scanning electron microscopy (SEM), X-ray analysis of pearls, UV-fluorescence of diamonds (Diamond-View™), Laser induced breakdown spectroscopy.

The course is given in small groups to guarantee an intense training. Each participant of this international course will receive the SSEF Scientific Gemmology Certificate.

Mon 25 January 10  
to Fri 29 January 10

SSEF Scientific Gemmology Course, January 2010

Mon 9 August 10  
to Fri 13 August 10

SSEF Scientific Gemmology Course, August 2010

Mon 24 January 11  
to Fri 28 January 11

SSEF Scientific Gemmology Course, January 2011



## SSEF Scientific Diamond Course

(4000.- CHF per participant)

Intense one-week course about scientific analysis of diamonds. You will work hands-on with scientific gemmological methods such as:

FTIR spectrometry, NIR-spectrometry, UV-VIS spectrometry, Photoluminescence spectrometry, UV-fluorescence of diamonds (DiamondView™). The course is given in small groups to guarantee an intense training. Each participant of this international course will receive the SSEF Scientific Diamond Certificate.

Mon 1 February 10  
to Fri 5 February 10

SSEF Scientific Diamond Course, February 2010

Mon 16 August 10  
to Fri 20 August 10

SSEF Scientific Diamond Course, October 2010

Mon 31 January 11  
to Fri 4 February 11

SSEF Scientific Diamond Course, February 2011

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## General Informations

**Course locality** All courses are held in the classroom at the SSEF Swiss Gemmological Institute, Falknerstrasse 9, 4001 Basel. The SSEF is located in the center of Basel, Switzerland and easily reached by public transportation.

**Arriving by plane** Leave the Euro-Airport (Basel) at the Swiss entrance. Take a Taxi to get directly to the SSEF at the Falknerstrasse 9 in the city of Basel. Or you may chose the Airport shuttle bus which takes you to the main railway station. From there, see below.

**Arriving by train** Take tram No. 8 or No.11 in front of the railway station (in direction city) and after 3 stops you will arrive at Barfüsserplatz. From there you just follow the tramway tracks into the Falknerstrasse and after about 100m you will be just in front of the SSEF (it's on the right side, with a flower shop in the basement floor).  
To arrive at SSEF, its about 15 minutes from the railway station.

**Arriving by car** In the city of Basel parking is restricted, so please use the Elisabethen parking or Steinen parking, which are reached from the highway (leaving in direction City, Bahnhof).  
Within 10 minutes walk you will arrive at the SSEF.

**Course time** Each course day is from 9.30 to 16.30 with a lunch break between 12.30 and 13.30.

**Material to bring along**

- pen, pencil, ruler, paper for taking notes
- 10x lens (if possible)
- tweezers, cleaning towel (if possible)
- you may also bring along some stones

**Course fee** The course fee has to be paid in advance together with the registration for the course.

The Swiss Gemmological Institute SSEF is not obliged to refund any part of course fees paid, if a student decides voluntarily to withdraw after the definitive registration. Any such refund will be by concession and decided by the SSEF in the light of the circumstances of the withdrawal.

For further information please contact:  
SSEF Swiss Gemmological Institute,  
tel. +41-61-262 06 40, fax: +41-61-262 06 41, e-mail: [gemlab@ssef.ch](mailto:gemlab@ssef.ch)

## Basel City Map

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