Fine Watchmaking Modules

The Fondation de la Haute Horlogerie, whose mission is to promote and transmit watchmaking culture, is pleased to present the FHH Academy, its entity dedicated to watchmaking training worldwide. The FHH Academy offers a range of training courses, lectures, courses and workshops with the aim of acquiring the essential skills and knowledge related to the world of fine watchmaking.

Synopsis

The training can welcome 15 to 20 participants.

The FHH Academy has created 20 quick learning modules to better grasp the particularities of the marvelous world of fine watchmaking.

The module uses a variety of media and pedagogical methods that are employed throughout the course and that help to set the rhythm of the course.

No exam is planned.
A certificate of attendance is issued at the end of each module.

Objectives

Divided into two levels of expertise, these modules will help you master the key topics of the industry. Going from technical to more abstract themes, these 20 modules will help you enhance your knowledge and appreciation of timeless pieces of know-how and craftsmanship.

The objectives of the module are:

- Participants will be able to describe how a simple mechanical watch works.
- Participants will be able to use the appropriate terminology from the world of watchmaking.
- Participants will be able to engage in discussions specific to watchmaking.
- Participants will be able to differentiate the particularities of the majority of fine watch brands.
- The participants will be able to identify the key stages in the history of watchmaking.
- Participants will be able to succinctly identify the workings of the main watchmaking complications.
- Participants will be able to identify the elements that make a watch with high-performance.

For whom?

This training is intended for any adult interested in the watchmaking field and does not require any prerequisites.

Length of the modules

Each Watch Essentials module lasts 2 hours
Description of the modules

Watch Advisor Level
Discover the world of watches and get to know the major aspects of an intriguing industry. A quick and practical learning tool. These modules are accessible to everyone and no technical or specific requirements are needed.

Introduction to market
- Watch Business
- Major players
- Fine Watchmaking definition

Describe a watch - exterior
- Terminology
- External parts
  - Case, crystal, dial, hands, strap, buckle

Materials - decorations
- Materials
  - Gold, Platinum, steel, others
- Finishes
  - Chamfering, polishing, satin finishes, bluing
  - Geneva strips, circular graining, engraving, guillochage

Mechanical movements
- About movements
- Mechanical movement
- The organs
- Performances

Complications
- Different chronographs
- Jumping and retrograde displays
- Alarm
- Date, jour/date, triple calendrier
- Multiple timezones – GMT

History
- Time measurements
  - 8 civilizations
- Historical steps
  - Key moments, standardization, evolution
- Complications history
  - Chronograph, tourbillon, worldtimer, striking

Iconic watches
- Reminder
- Design watches
- Classic watches
- Woman watches
- Sport-tool watches
- Recognition game

The trends
- Exhibitions
  - W&W, Baselworld
- Main Trends
  - Colours, size, shapes, neo-vintage
  - 10 major innovations from the year

Intro to gemology
- Definition
- Diamonds
- Corundum
- Emerald
- Pearl
- Cuts & setting

Pilot’s and diving watches
- Pilot’s watches
  - Pioneers
  - Commercial aviation
  - The space race
  - Today
- Diving watches
  - The pressure
  - The norms
  - History and icons
  - Today

Vintage watches
- Historical steps
- Definition
- Specificities
- How to collect
- The market
- Condition
- Do your homework
- Live with a vintage watch

Auctions and collecting
- Auction houses milestones
- Pros vs cons
- Terminology
- What to look out for
- Market situation
- Future trends
Watch Specialist Level ★★
A more in depth approach for those who want to learn more and experience the intricate specificities of the watch industry. An extensive way to learn like professionals do. These modules are designed for those who have already a background knowledge on the industry and its products.

The brand experience ★★
Brands characteristics
Development of a watch
Manufacture
Complication 1 – The chronograph ★★
Different families
Mechanical principles
Command systems
Clutch systems
Examples
Complication 2 – Astronomical, jumping, tourbillon ★★
Calendars
  • Date, day-date, triple calendar, moon phases
Jumping display
Tourbillon
Complication 3 – Time zones, alarm & minute repeater ★★
Time measurements
  • The different solutions
Alarm
Minute repeater
Materials ★★
Titanium
High-tech ceramic
Carbon
Silicon
Luminescence
Decorations ★★
Enameling
Skeleton work
Gem-setting
Novelties & trends ★★
Statistics
Observations
Colors, size, shapes, neo-vintage
Materials
Complications

Registration
To register, please contact us via the contact form on the website:
https://fhacademy.hautehorlogerie.org/contact