

# 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

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### *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.

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#### 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.

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### 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://fhhacademy.hautehorlogerie.org/contact>