

Fluorescence - Basic Level

Reference

FL1

Price

1 210€ per attendee

Duration

2 days

Dates

15-16 February, 30-31 May and
19-20 September 2024.

Schedule

From 9 am to 5.30 pm

Registration deadline

15 January, 30 April and
20 August 2024

Location

14 Boulevard Thomas Gobert,
91120 Palaiseau - France

Prerequisites

Dedicated to HORIBA customers only
and knowledge of the technique and
equipment.

Who should attend

Beginners in fluorescence
measurements.

Certification

A diploma is delivered at the end
of the course.

Learning method

Theoretical presentation and
instruments practice.

Course language

English

Objectives

- Acquire theoretical and practical knowledge on fluorescence spectrometers.
- Learn how to use the software.
- Acquire methodology for method development.
- Learn how to set up an analytical strategy with an unknown sample.
- Learn how to interpret results.
- Learn how to follow the performance of the spectrometer over the time.



PROGRAM

Day 1

Fluorescence basic principles:

- Why and where fluorescence is used. Applications review.
- Fluorescence Instrumentation – presentation of the different parts of the instrument and their roles.
- Software presentation and environment: acquisitions modules, files handling, display of data, basic functions.
- Set up of acquisition parameters and single spectra measurement.
- Review of the existing methods to estimate the Fluorescence lifetime.
- Fluorescence lifetime instrumentation – presentation of the different parts of the instrument and their role.
- Fluorescence decay analysis.
- Practical session – System and software presentation, Acquisition Parameters.

Day 2

Focus on specific measurements:

- Practical session on reference and customers samples.