

Stuart Jones HPLC Academy

New Practical Masterclass in Modern HPLC

Overview

This is a one-month course with hands on HPLC practical every day, held in Rochester, Kent in the UK. It is designed to give a broad understanding of HPLC, and is a fast track way to gain experience of one of the most widely used analytical techniques in the world.



'Hands on practical every day, working in groups of two, for a whole month, ensures a broad experience of HPLC'

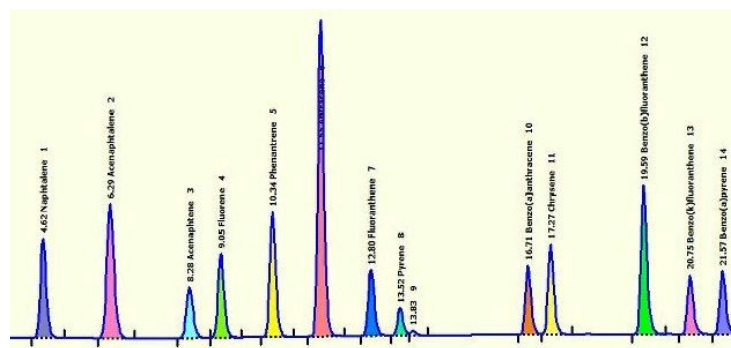
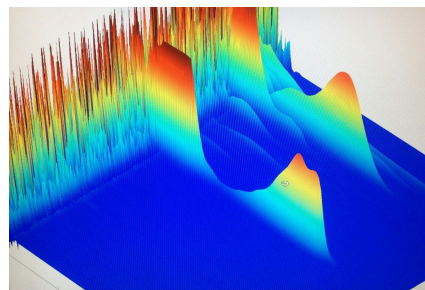
The course runs for four weeks, four days a week. Monday - Wednesday there are three one- hour classroom sessions each morning and practical in the afternoons, and then a full day practical on the Thursday. Friday is for private study, and coursework is provided. At the end of the course there is a full day assessment, where you are provided only with a standard operating procedure and samples to analyse, and you will be able to complete this without help!

This course is for those about to look for employment in an analytical laboratory, those about to start a PhD using HPLC, those about to buy a new HPLC system, and those coming from abroad for training and wanting to cover as much as possible in one visit.

'If you only ever do one HPLC course, this should be it!'

Course content includes:

- *The Principles of HPLC - Gradient and isocratic elution, why separation occurs, and understanding a chromatogram*
- *Integration, Calibration and the interpretation of results*
- *Modern HPLC developments - uHPLC, Fused Core columns, HILIC, Type C silicas, new detectors*
- *Working with very polar compounds and with basic analytes*
- *Determining the Limit of Detection and Limit of Quantitation, and making changes to optimise sensitivity*
- *Troubleshooting - A Systematic Approach to finding faults, and a guide for how to not break a perfectly good but expensive HPLC*
- *Method Development - setting up a modern fast HPLC method from scratch*



Learning Objectives

By the end of the course you should be able to

1. take an HPLC Standard Operating Procedure and run the analysis
2. identify possible errors and have confidence in the accuracy of your results
3. look at a chromatogram and confidently interpret the results
4. look at an HPLC instrument, be able to identify its components and know what it can be expected to do
5. do basic troubleshooting yourself, and change columns, fittings and tubing
6. use an HPLC system safely without fear of causing damage
7. obtain reproducible results day after day.

Requirements to take part in the course

HPLC is a chemical analysis technique, so the more science background you have the better. However we will have a month together on the course, and that allows lots of time for you to ask if there are aspects you don't understand. The course also has a high practical content, making it easier to follow, and there is an excellent set of notes.

To prepare you well for this course, we offer the web-based 'HPLC Foundation course' free of charge to all participants who have booked and paid six weeks before the start of the Masterclass. The Foundation course is in six modules, each with their own assessment which is marked by us and returned to you with comment. It comes with over 100 pages of notes, so by the time you start the Masterclass you will already be well familiarised with the basic principles of HPLC.



'It is our problem to teach you, not yours to learn. It's what we do for a living. We want you to enjoy doing the course'

Course numbers are limited to 10, on a first come first served basis. Laboratory practicals are carried out working in pairs, using a range of HPLC equipment. You will receive two sets of notes - one to cover the lecture sessions and one for all the practicals - and a course certificate.

Course Meals

Lunch, tea and coffee are provided each course day, and near the end of the course we have a course dinner. We also have a number of discussion sessions available in the evenings if you wish to discuss separation problems. You can even bring a sample or column with you if you wish.



'We hope you will enjoy our course dinner at a local Restaurant'

www.hplccourses.com

Booking Information

The cost of the course for 2016 is **£2695.00** (no VAT) and for **Students** there is a discount price of **£1,995.00**. You will need a current student ID Card to get this price. **For anyone, if you book and pay before 31st March 2016, there is an additional £400 discount!**

Dates for 2016: This course will run twice, once in August, and again in September at Laserchrom HPLC Laboratories Ltd, Rochester, Kent, United Kingdom. Postcode ME2 4HU.

In **August** the course runs for four weeks, four days a week, from the **2-24th August**. This format will suit those who need to work at weekends, or wish to have the Friday and weekend for sightseeing or visiting family in the UK. In **September** the course runs in a condensed format over three weeks, five days a week from **5-23rd September**. This is for those who must take time off work and need the most condensed format possible. The course content is identical for both and so is the course fee. Places are offered subject to availability.

A Booking Form may be

downloaded from

www.hplccourses.com under Booking Information. Once you are sure you want to come, please book early.



Accommodation: A range of local hotels are available and listed on www.hplccourses.com, under the **Booking Information** section. However if you want to pay approx £170 a week instead of £60-£80 per night, then please contact the **Balmoral Guesthouse** in Gillingham. Its right opposite Gillingham train station, and for up to six people we can offer transport from there to the course each day free of charge. So you won't need a taxi if you book early! www.thebalmoral-guesthouse.co.uk

This is the only course of its kind anywhere in the world. There are 20 places available in 2016, ten in August and ten in September. Booking is now OPEN! We look forward to welcoming you!

HPLC Masterclass Booking Form

Title:		First Name(s):	
Surname:		Position:	
Company:			
Address:			
Postcode:		Country:	
Telephone		FAX:	
Email:			
Course Date:	2 - 24th August [] or 5 - 23rd September []		
Payment Method:	Credit Card []		Bank Transfer []
Purchase Order number:			
Food Restrictions (eg nut allergy):			
If you have any medical condition or disability which you think we should be aware of, please notify us before the start of the course.			
Transport required from Ramada Hotel? [] Or Balmoral Guest House? []			
Please be careful if you pre-book a hotel. Some discount rates mean that you cannot cancel, even if for some reason the course was cancelled. Please note that if you waive your right to cancel, you do so at your own risk.			
<p>Please return this form to: Email: stuart@laserchrom.com Fax: +44 (0) 1634 297533 Post: Stuart Jones HPLC Academy, Units B16-18, Laser Quay, Medway City Estate, Rochester, Kent. ME2 4HU Terms & Conditions (Summary) For full Terms & Conditions please go to www.hplccourses.com A Provisional Booking will be made on receipt of a booking form, which becomes a Confirmed Booking on receipt of full payment Payment MUST be received in full no later than 6 weeks before the start of the course, or the place will be offered elsewhere. Once we receive your booking, it is subject to the following terms:</p> <ul style="list-style-type: none"> ● Cancellation more than 6 weeks before the start of the course - full refund ● Cancellation 2 - 6 weeks before the start of the course, 50% refund or a place on the next course ● Cancellation less than 2 weeks before the start of the course, no refund <p>If a place is not available for the course dates you select, we will offer you the next available date If submitting this form unsigned by email, submission of the form is taken as acceptance of these terms and conditions.</p>			
Signed: <small>Having read and accepted the terms & conditions</small>		Date:	