

## Introduction to GC Course (1-day)

<b>Course Duration:</b>	1 day, 9am - 5pm
<b>Course Fee:</b>	£250.00 + VAT (@ 20%)
<b>Suitable For:</b>	GC Users with less than 3 years experience and those who have never used GC.
<b>What's Included:</b>	Lunch, tea/coffee, notes, course certificate
<b>Location:</b>	University of Greenwich, Kent. UK
<b>Course Presenter:</b>	Jeff Duke

### Course Content

#### 0900-1100

Introduction to Gas Chromatography  
GC instrumentation

#### 1115-1300

Chromatographic method and temperature  
Column and phase selection  
Column handling, installation and conditioning

#### 1400-1700

System Troubleshooting

- Peak shape
- Retention time
- Baseline
- Tailing
- Resolution

Sources of common problems and their solutions

Open discussion of individual separation problems and special interests

Applications of GC

Current advancements in GC

Practical day-to-day operation tips

#### **Laboratory tour at the University of Greenwich**

Following this course, participants should understand the operation of GC and its applications. This course would equip participants with analytical skills to run samples using a GC system, understand a GC chromatogram, and address common troubleshooting issues.