

BioSkills @

Box Hill Institute



The Specialist Centre for Biotechnology Training

HPLC & Gas Chromatography

Dates: 9th & 10th July 2009
1st & 2nd October 2009

Course Description

Course Objective

This workshop will go over the basic principles of HPLC & GC. The course will cover familiarisation with both instruments, including parts of the instrument and the different choices of instruments for different uses. It will then proceed to practical applications using the instruments and common procedures such as changing columns. Maintenance of the instruments and troubleshooting technical problems will also be covered.

Course Outline

- Introduction to fundamental theory & practices of High Performance Liquid Chromatography.
- "Hands on" HPLC setup, sample preparation, operation, analysis, maintenance of HPLC and HPLC trouble shooting.
- Introduction to fundamental theory & practices of Gas Chromatography
- "Hands on" GC setup, sample preparation, operation, analysis, maintenance of GC and GC trouble shooting.

Certificate of Participation

- Awarded to participants who have achieved 75% attendance for the course.

For Whom

- Science graduates and post graduate students looking for practical lab skills in HPLC & GC
- Lab staff seeking to update their skills
- Lab staff looking at new separation technologies
- Lab staff not trained in these skills

Outcomes

- Be able to describe basic operations and theory of HPLC and GC
- Prepare and inject a sample for analysis on both GC and LC
- Analyse results
- Trouble shoot basic problems for both GC and HPLC
- Perform basic maintenance on both the GC and HPLC
- Describe general current uses for these instruments

Course information

Course code:	BIO 23
Course fee (incl GST):	\$1200.00 (2 days)
Maximum class size:	15 participants
Time:	9.00am – 4.00pm
Total course duration:	2 x 7 hours (inc. lunch)

Venue:

Building 8, Level 3, Room to be advised
Box Hill Institute,
465 Elgar Road, Box Hill