

# Gas Chromatography Mass Spectrometer

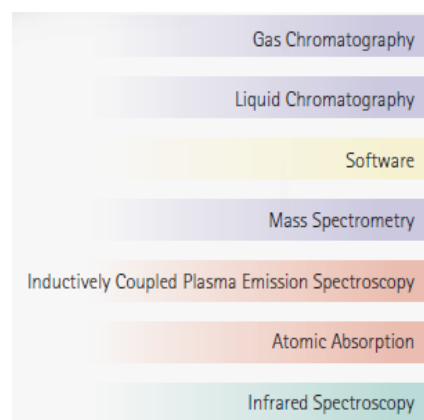
## Intensive Course for Beginner

Co-Organized with Universiti Kebangsaan Malaysia, UKM

Fees RM 1560 (HRDF Refundable)

18-20th June 2013

The course is designed for 1-3 years experience users who wanted to explore the technique of gas chromatography in sample preparation for air, water and solid samples besides expanding the knowledge of separation sciences and mass spectrometry detection



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## Training Schedule

## Contents

### Day 1

|                |  |
|----------------|--|
| 9.00am-12.30pm | Gas Chromatography (GC) - The Introduction<br>Column and Separation - Theory & Practicality<br>Hardware - Configuration, Functionality and Applicability |
| 2.30pm-5.30pm  | Practical on Operation, Optimization and Application   |

### Day2

|                |   |
|----------------|---|
| 9.00am-12.30pm | Mass Spectrometry (MS) - The Preferred Trending<br>Logical Approach to Mass Interpretation<br>Hints to Increase GC Throughput |
| 2.30pm-5.30pm  | Practical on Fast Method Translation and Mass<br>Spectrometer Operation   |

### Day 3

|                |  |
|----------------|--|
| 9.00am-12.30pm | Introduction of Various Types of Sample Preparation<br>Headspace Technique - The Design & Its Hindrance<br>Solid Phase Micro-extraction (SPME) Technique -<br>Preferably vs Practicality<br>Solid Phase Extraction Technique - The Risk Rating |
| 2.30pm-5.30pm  | Practical on Headspace, SPME and Solid Phase<br>Extraction for Air, Water and Solid Materials  |



## Training Venue : Bangunan Makmal & Dawan Kuliah, Faculty Sains Kimia, UKM

