

Shimadzu Malaysia Analytical Instruments **Training Course 2024 / 2025**



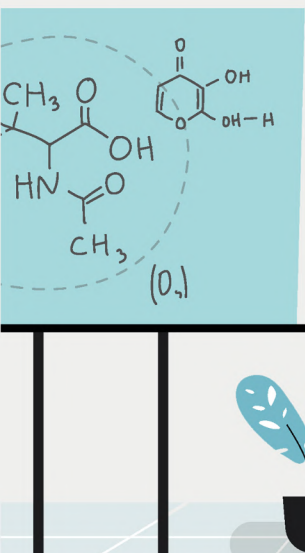
Customer Support Centre (CSC)

Shimadzu Malaysia's Customer Support Centre or better known as CSC, supports pre-sales and post-sales of analytical and scientific instruments locally. The CSC department consist of training rooms and a functional demonstration laboratory that is equipped with a wide range of instruments, from basic spectrometry to high-sensitivity LC/GC mass spectrometry. We provide and conduct instrument operational training course, method development assistance and workshops inside CSC and on-customer site.

Our dedicated team of application chemists are well trained in various fields to ensure that our customers are fully supported in method development consultancy and troubleshooting. Other than support, CSC also engages in collaboration with various researchers in local university and private sectors to improve current analytical methods. These efforts are also in line with our aim in improving solutions to challenging analytical problems.



CSC Analytical Laboratory



Fundamentals & Operation Of Shimadzu UV-VIS Spectrophotometer

Training Code: S-UV (SML-8TRG135)

Course Description:

This course constructed for beginners based on Shimadzu UV-2600. It introduces the basic concepts, theories and applications of UV-Vis spectrophotometer. Computer software operation base on UVProbe software.

You will learn:

- UV-Vis Spectrophotometer theories and hardware review
- Quantitation analysis by building calibration curve
- Spectrum scan analysis
- Design report
- Basic maintenance and instrument care

In-House Training Course

Date: 23 Jan 2025

Duration: 1 day

Time: 9:30am - 5:00pm

Fee: RM 280 per person

Training Venue: Shimadzu Malaysia Sdn Bhd
Kota Damansara, Selangor

Online Training Course

Date: 25 July 2024

Duration: 1 day

Time: 9:30am - 5:00pm

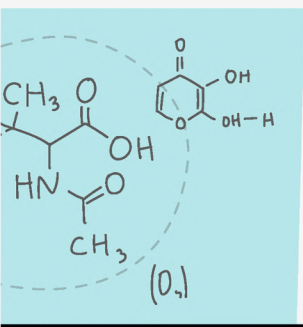
Fee: RM 50 per person

Training platform: Microsoft Teams



For training course registration, please contact:

Ms Ang May Yen  mayyen@shimadzu.com.my  012-2884711



Fundamentals & Operation Of Shimadzu Fourier Transform Infrared Spectrophotometer (FTIR)

Training Code: S-FTIR (SML-8TRG135)

Course Description:

This course is designed base on Shimadzu FTIR model IRTracer-100 with LabSolutions IR for beginners. It introduces the basic concepts, theories and applications of FTIR.

You will learn:

- Principle and basic instrumentation of FTIR
- Operation of FTIR analysis of solid and liquid samples using single bounce ATR
- Qualitative analysis which includes FTIR spectrum analysis, library search and database creation
- Maintenance and instrument care

In-House Training Course

Date: 11 - 12 Mar 2025

Duration: 2 days

Time: 9:30am - 5:00pm

Fee: RM 400 per person

Training Venue: Shimadzu Malaysia Sdn Bhd
Kota Damansara, Selangor

Online Training Course

Date: 15 Aug 2024

Duration: 1 day

Time: 9:30am - 5:00pm

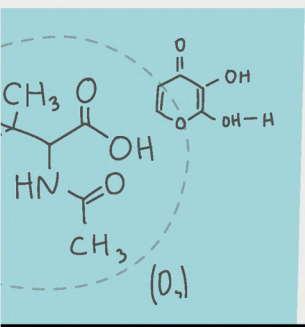
Fee: RM 50 per person

Training platform: Microsoft Teams



For training course registration, please contact:

Ms Ang May Yen  mayyen@shimadzu.com.my  012-2884711



Fundamentals & Operation Of Shimadzu Gas Chromatography (GC)

Training Code: S-GC (SML-8TRG135)

Course Description:

This course is designed base on Shimadzu Nexis GC-2030 series with capillary columns for beginners. It introduces the basic concepts, theories and applications of GC-FID. Computer software operation base on LabSolutions GC software.

You will learn:

- Gas Chromatography principles and instrumentation functions
- Introduction to split/splitless injector and flame ionization detector (FID)
- Operation of GC-2030/GC-2010 series with Labsolution GC software
- Analysis of standard training sample mixtures
- Setting of calibration curve and quantitation
- Basic maintenance and care for GC-2030 & GC-2010 series

In-House Training Course

Date: 8 - 9 Jan 2025

Duration: 2 days

Time: 9:30am - 5:00pm

Fee: RM 500 per person

Training Venue: Shimadzu Malaysia Sdn Bhd
Kota Damansara, Selangor

Online Training Course

Date: 16 - 17 July 2024

Duration: 2 days

Time: 9:30am - 5:00pm

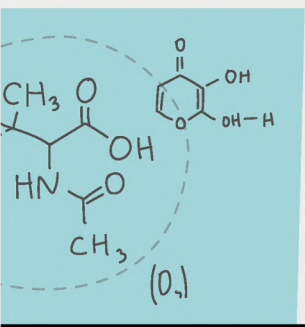
Fee: RM 100 per person

Training platform: Microsoft Teams



For training course registration, please contact:

Ms Ang May Yen  mayyen@shimadzu.com.my  012-2884711



Fundamentals & Operation of Shimadzu Gas Chromatography Mass Spectrometer (GCMS)

Training Code: S-GCMS (SML-8TRG135)

Course Description:

This course is designed for beginners in GC/MS base on GCMS-QP2020 NX series. It introduces the basic concepts, theories and applications of GC/MS.

You will learn:

- GC/MS principle and instrumentation. Detail introduction to hardware: injector and different parts of mass spectrometer. Role of vacuum, operation of pumps and introduction to auto-tuning.
- GC/MS operations and processing (SCAN mode). Qualitative analysis including library search functions.
- GCMS operations and processing (SIM mode). Quantitation analysis and calibration curve.
- General reporting of GC/MS results.
- Introduction to MS Navigator and basic user maintenance. Column installation & ion source cleaning.

In-House Training Course

Date: 8 - 10 Oct 2024

11 - 13 Feb 2025

Duration: 2 ½ days

Time: 9:30am - 5:00pm


Fee: RM 660 per person


Training Venue: Shimadzu Malaysia Sdn Bhd
Kota Damansara, Selangor

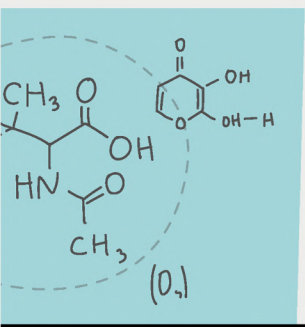


For training course registration,
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Ms Ang May Yen

 mayyen@shimadzu.com.my

 012-2884711



Fundamentals & Operation of Gas Chromatography Triple Quadrupole Mass Spectrometer (GC/MS/MS)

Training Code: S-GCMS/MS (SML-8TRG135)

Course Description:

This course is designed for beginners in GC/MS/MS analysis base on GCMS-TQ8050 NX. It introduces the basic concepts, theories and applications of GC/MS/MS.

You will learn:

- GC/MS/MS principle and instrumentation
- Introduction to different modes of operation. Understanding the GC/MS/MS auto-tuning file
- Setup of Q3 and product ion scan. Automatic MRM optimization setup and steps
- Quantitation compound table creation
- Generation of calibration curve and general reporting of GC/MS/MS results

**** Prerequisite: Basic Knowledge in GCMS Single Quadrupole is a must.****

In-House Training Course

Date: 15 - 17 Oct 2024

18 - 20 Feb 2025

Duration: 2 ½ days

Time: 9:30am - 5:00pm


Fee: RM 660 per person


Training Venue: Shimadzu Malaysia Sdn Bhd
Kota Damansara, Selangor

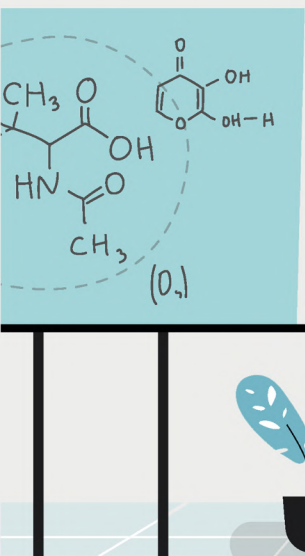


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Fundamentals & Operation Of Shimadzu High Performance Liquid Chromatography (HPLC)

Training Code: S-HPLC (SML-8TRG135)

Course Description:

This course is constructed for beginners based on Shimadzu HPLC series with mainly UV detector. It introduces the basic concepts, theories and applications of HPLC. Computer software operation base on LabSolutions LC software.

You will learn:

- Basic HPLC principle and instrumentation
- Introduction to different modules and different modes of operation. Binary and quaternary mixing; column conditioning and effect of mobile phase/buffers polarity.
- Operation of HPLC using the LabSolution LC software
- Quantitation analysis and calibration curve
- Introduction to HPLC maintenance guides and QC functions. Basic user maintenance including check valves cleaning.

In-House Training Course

Date: 7 - 8 Aug 2024

21 - 22 Jan 2025

Duration: 2 days

Time: 9:30am - 5:00pm

Fee: RM 500 per person

Training Venue: Shimadzu Malaysia Sdn Bhd
Kota Damansara, Selangor

Online Training Course

Date: 26 - 27 Jun 2024

Duration: 2 days

Time: 9:30am - 5:00pm

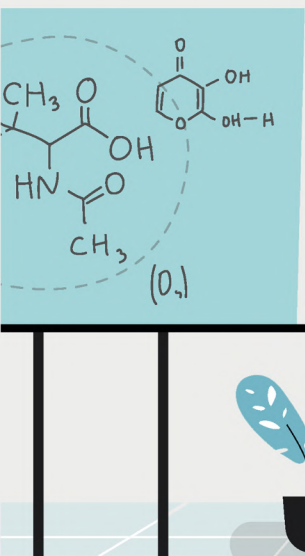
Fee: RM 100 per person

Training platform: Microsoft Teams



For training course registration, please contact:

Ms Ang May Yen  mayyen@shimadzu.com.my  012-2884711



Fundamentals & Operation of Liquid Chromatography Triple Quadrupole Mass Spectrometer (LC/MS/MS)

Training Code: S-LCMS (SML-8TRG135)

Course Description:

This course is designed base on Shimadzu LCMS-8050 series with LabSolution LCMS software. It introduces the basic concepts, theories and applications of LCMS Triple Quadrupole system.

You will learn:

- LCMS Triple Quadrupole principle and instrumentation
- Operation of LC/MS/MS using LabSolution LCMS Software. Introduction to different modules and different modes of operation. Setup of Q3 and product ion scan.
- MRM optimization and quantitation compound table creation. Generation of calibration curve and general reporting of LCMS/MS results.
- Setting up of private LCMS/MS database.
- Basic user maintenance: Ionization probe (ESI) & DL removal and clean up

In-House Training Course

Date: 6 - 8 Nov 2024

15 - 17 Jan 2025

Duration: 2 ½ days

Time: 9:30am - 5:00pm


Fee: RM 660 per person


Training Venue: Shimadzu Malaysia Sdn Bhd
Kota Damansara, Selangor

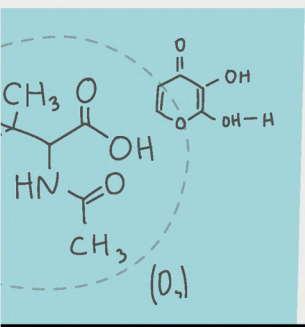


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Fundamentals & Operation Of Shimadzu Total Organic Carbon Analyzer (TOC-L)

Training Code: S-TOC (SML-8TRG135)

Course Description:

This course is designed base on Shimadzu TOC-L series with auto sampler for beginners. It introduces the basic concepts, theories and applications of TOC. Computer software operation base on TOC Control L software.

You will learn:

- "Total Organic Carbon (TOC)" principles and instrumentation
- Introduction to standard solution preparations
- Analysis of standard training sample including calibration curve set-up and sample analysis
- Operations of TOC-L series with software
- Basic maintenance and care for TOC-L series

In-House Training Course

Date: 6 - 7 Jan 2025

Duration: 2 days

Time: 9:30am - 5:00pm

Fee: RM 350 per person

Training Venue: Shimadzu Malaysia Sdn Bhd
Kota Damansara, Selangor

Online Training Course

Date: 14 Aug 2024

Duration: 1 day

Time: 9:30am - 5:00pm

Fee: RM 50 per person

Training platform: Microsoft Teams



For training course registration, please contact:

Ms Ang May Yen  mayyen@shimadzu.com.my  012-2884711



Fundamentals & Operation of Shimadzu Energy Dispersive X-Ray Fluorescence Spectrometer (EDX-7200)

Training Code: S-EDX (SML-8TRG135)

Course Description:

This course is designed based on Shimadzu EDX using PCEDX-Navi software with RoHS analysis for beginners. It introduces the basic concepts, theory and application of EDX.

You will learn:

- Principle and theory of EDX
- Operation of EDX analysis with RoHS analysis
- Quan-Quant analysis & Quantitative analysis
- Maintenance & instrument care

In-House Training Course

Date: 23 July 2024
21 Jan 2025

Duration: 1 day

Time: 9:30am - 5:00pm


Fee: RM 300 per person


Training Venue: Shimadzu Malaysia Sdn Bhd
Kota Damansara, Selangor



For training course registration,
please contact:

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