

# BOHS Internationally Recognised Certificate Course (Live online)

## M 501 Measurement of Hazardous Substances, February 14-23, 2025

Online Exam - BOHS Format

Awards 40 IH Contact Hours - Accepted by BGC towards CIH application



- General approach to health risk assessment,
- Selection of appropriate exposure measuring equipment
- Sampling strategy
- Presentation and interpretation of results
- Management to comply with relevant legislation

**Offered by**



### M 501 - Salient Features

#### Risk Assessment

Define hazard and risk in terms of chemical safety  
 Relation between risk, hazard and exposure, make judgements about risk based on health effects, physico chemical properties, measurement data  
 Use risk assessment to decide appropriate actions to protect worker health  
 Record measurement information and understand the role in occupational health



#### Air Sampling theory and practice

Devise appropriate sampling strategies to provide useful data for decisions  
 Workplace sampling strategies - importance to gain representative results  
 Types of surveys, routine monitoring, statistical analysis, interpretation of results  
 Survey Design- non sampling, sample numbers, acute and chronic effects, TLVs  
 Personal sampling, sample heads, Area sampling, particle size, properties  
 Surface measurements, techniques, XRF, settling rates, assessing skin exposure  
 Confined space hazards, techniques for assessing and monitoring spaces



#### Air sampling Equipment and sample analyses

Types of sampling pumps, fixed volume pumps for detector tubes, their use  
 Sampling heads and filters for particulates, gases and vapours, sorbent tubes  
 Colorimetric tubes, mixed phases, collection efficiency, passive samplers  
 Direct reading instruments, intrinsic safety, realtime analysis, particulates, gases  
 Calibration of sampling equipment, primary and secondary standards  
 Trace level analytical methods, detection limits, sensitivity, methods sources  
 Gravimetric analysis weight variation, Microscopy, QA of analysis



#### Hygiene Standards and calculations, Biological monitoring

Setting of standards and principles of calculations, types of standards  
 Standards in other countries, their application, terminology, units, notations  
 Limitations, different types of interpretation of standards  
 Biological monitoring, effect monitoring, metabolites, target organs  
 Half life, sampling times, Biological standards, confidentiality  
 Calculation, interpretation and presentation of results



#### Practical Sessions

Online demonstration of relevant measurement equipment and their use  
 Calculations, interpretations of results and candidate assessments

[CLICK TO REGISTER](#)

**Contact**

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# ON LINE TRAINING

## BOHS - Internationally Recognized Certificate Courses

<b>Course Name</b>	<b>M 501 (Measurement of Hazardous Substances)</b>
<b>Online Training Date &amp; Time</b>	<b>February 14-23, 2025 - 6.30 pm to 11pm IST (exceptions as below)</b> Online Exam: Feb 21, 3.30 PM, India time Exams will be conducted online as per BOHS guidelines
<b>Practical Examination</b>	Practical Sessions and evaluations: February 22-23, 2025 Includes morning and afternoon sessions on Feb 22nd (from 9.00am India time)
<b>Course fee</b>	<b>₹ 32,000 per module per person</b>
<b>Course fee inclusion</b>	Online training BOHS Exam fee Online practical training and assessment Online exam
<b>Last Date for Registration</b>	<b>February 1, 2025</b> Maximum Capacity: 25 participants
<b>Course Registration link</b>	<a href="#">CLICK TO REGISTER</a>
<b>Online training platform</b>	Microsoft teams
<b>Completion Conditions</b>	Attend online training, mandatory practical sessions and assessment Take BOHS exam online & pass exam as evaluated by BOHS
<b>Faculty</b>	 <p>Shrenik Ranpura, CIH, CSP Global EHS Leader RECOH EHS Services LLP, India</p>  <p>Lalitha Burra, Ph.D., CIH Director nayati International, India</p>
<b>Payment Details</b>	Please call for details. (M: +91 9959605980)
<b>Additional Details</b>	While all efforts will be made to conduct the course as scheduled, organizers can cancel or reschedule the course under unforeseen circumstances. If course is cancelled, fee paid will be refunded.
<b>Course is offered by</b>	 
<b>Online BOHS Modules offered</b>	<b>M 501</b> - Measurement of Haz. Substances <b>M 505</b> -Control of Hazardous Substances <b>M 502</b> - Thermal Environment <b>M 506</b> - Ergonomics Essentials <b>M 503</b> - Noise- Measurement & its effects <b>M 507</b> - Health Effects of Haz. Substances <b>M 504</b> -Asbestos and other Fibers
<b>Upcoming BOHS Modules</b>	Please see page below for proposed schedule for 2025
<b>Insight from Attended Participants</b>	Your practical experience on subject and example sharing during session made this technical subject easy to understand - Thank you Never thought that online practical will be so interesting covering 360 degree view of equipment operation and applicability Very professionally organized - timely receiving of handout, PPT, agenda, overnight questions, mock exam and paying attention to each query.



**BOHS LIVE ONLINE TRAINING**  
**Internationally recognized Occupational Hygiene Certificate Courses**  
**Proposed Course Schedule for 2025**

BOHS Module	Schedule*
<b>M 505: Control of Hazardous Substances</b>	<b>April 18-27, 2025</b>
<b>M 504: Asbestos and Other Fibers</b>	<b>May 9-18, 2025**</b>
<b>M 507: Health Effects of Hazardous Substances</b>	<b>June 20-28, 2025</b>
<b>M 503: Noise - Measurement and Its Effects</b>	<b>August 15-24, 2025</b>
<b>M 506: Ergonomics Essentials</b>	<b>October 10-18, 2025</b>
<b>M 502: Thermal Environment</b>	<b>December 12 - 21, 2025</b>

\* Schedule: While we will make all efforts to conform to the schedule, there may be a possibility of revising or rescheduling if necessary or under unforeseen circumstances.

\*\* Tentative Schedule