

BENEFIT FROM OUR INDUSTRIAL HYGIENE SERVICES

Golder Occupational Hygiene Training Courses (OHTA Modules)
2012 Calendar





EXPERIENCE YOU CAN TRUST

Golder provides local, national, and multinational clients with comprehensive Industrial Hygiene services. Due to the depth and strength of our organisation, we easily function within each client's cultural and corporate mandates, wherever the project location. We offer these services through local offices to produce quality solutions that are on time, within budget, and attuned to individual client needs.

As an OHTA approved training provider, we offer some of the most comprehensive Industrial Hygiene training available globally. Golder workshops are characterised by discussion of practical IH issues encountered by EHS professionals in everyday life and real life scenarios reflect presenters' experience on literally hundreds of field projects.



ABOUT THE OHTA PROGRAM

The Occupational Hygiene Training Association (OHTA) offers an internationally recognised industrial hygiene training program. The program is recognised by the International Occupational Hygiene Association (IOHA) and by its various member organisations. There are eight different five-day training modules - upon completing any of the modules and passing the exam, participants will receive an internationally recognised certificate that can be used to build competence in IH. Credentials are available in each of the eight module topics.



WHO IS GOLDER?

Golder Associates is a respected, employee-owned, global company providing consulting, design, and construction services in our specialist areas of earth, environment, and the related areas of energy. From offices worldwide, our employees work with clients to manage their environmental and engineering activities in a technically sound, economically viable, and socially responsible manner.



YOU AND YOUR ORGANIZATION WILL BENEFIT FROM OUR EXPERIENCE.



IH SERVICES THAT ADDRESS YOUR NEEDS

From multiple locations around the globe, Golder provides comprehensive services to multinational corporations as well as regional and local companies that face an increasing need to address occupational safety and health issues. Our experienced and qualified industrial hygienists operate out of Golder offices in Australia, Asia, Europe, North and South America.

OUR SERVICES INCLUDE:

- Qualitative IH risk assessments and risk prioritisation
- Exposure monitoring for chemical, physical, and biological agents
- Noise mapping, noise dosimetry, and control alternatives
- Local exhaust ventilation (LEV) assessment and improvement
- Exposure control alternatives and recommendations
- Job safety analysis and risk assessment
- Ergonomic assessments and training
- Health and safety compliance audits and assessments
- Public and in-house industrial hygiene training
- Asbestos surveys and management plans
- Regulatory and corporate health and safety compliance audits
- Hazardous materials management and remediation support
- Local exhaust ventilation assessment and design
- Training program development and delivery



INFORMATION ABOUT OUR COURSES

COURSE FEES:

- Fees may differ for each location
- Fees generally include all lunches and refreshment breaks
- Fees include the BOHS examination fee (estimated US \$150)
- Fees include hard copy of slides and student manuals
- Fees do not include accommodations
- See specific course flyers for fee and venue details

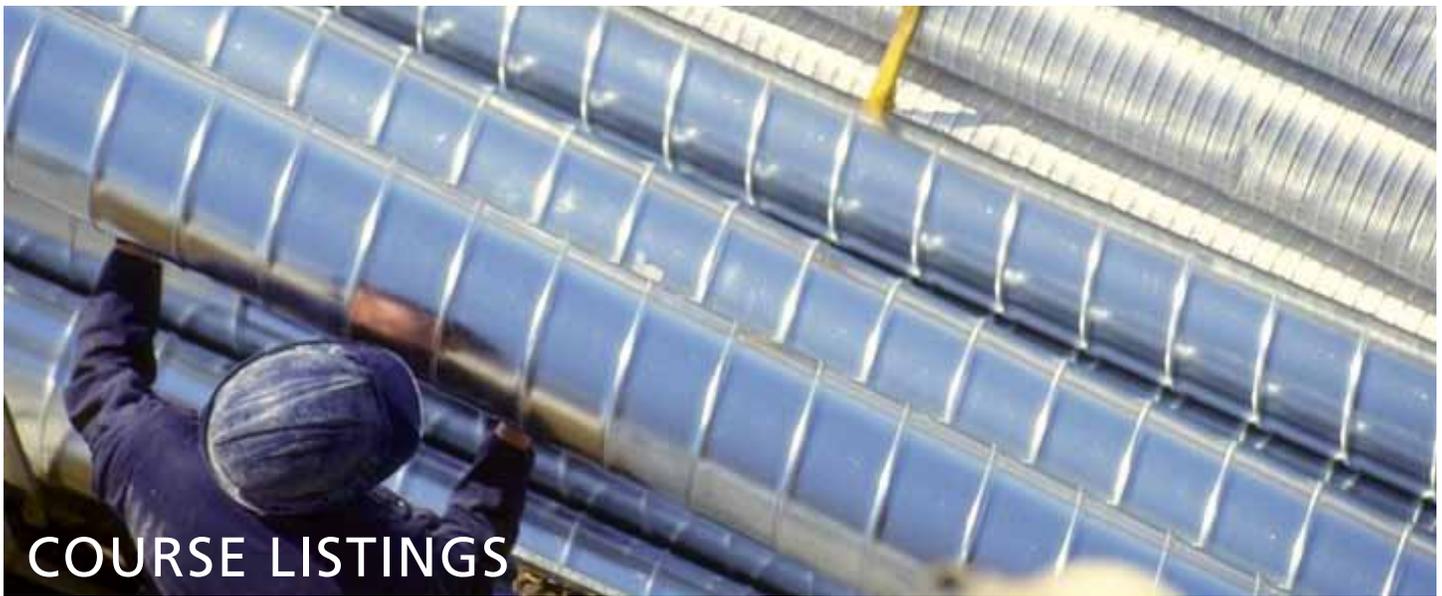
CERTIFICATES EDUCATION CREDITS:

All participants receive a "Certificate of Completion" from Golder upon completion of the course.

All 5-day courses will receive "Industrial Hygiene Education credits" of up to 40 IH education credit hours. These credits can be used when applying for the ABIH (American Board of Industrial Hygiene) CIH examination.

Candidates who are already CIH's will receive "CIH Certification maintenance points" up to 5.85 for each 5-day course from the ABIH.

The OHTA program is supported by the BOHS, IOHA and the ABIH and a number of other International organisations (CRBOH, CBRSP (and US equivalent)).



COURSE LISTINGS

W-501: MEASUREMENT OF HAZARDOUS SUBSTANCES (INCLUDING RISK ASSESSMENT)

Description: The aim of the course is to provide attendees with a sound understanding of the techniques for identifying and assessing exposure to hazardous substances in the workplace. It will also assist with understanding of how exposure information can be used to assess health risk.

Learning Objectives:

- Identify chemical exposures during various industrial processes
- Understand the approach to occupational chemical health risk assessment
- Develop appropriate exposure monitoring strategies
- Select standard methods and proper equipment to perform industrial hygiene sampling
- Interpret exposure monitoring results, write IH reports and make informed decisions

Upon Completion:

- All participants receive a "Certificate of Completion" from Golder upon completion of the course (regardless of completion of the BOHS examination).
- Participants will receive a certificate from the BOHS after passing the exam.
- Participants will earn 40 contact hours of formal Industrial Hygiene training towards qualification to sit for the Certified Industrial Hygienist (CIH) exam.
- Other local and national accrediting associations have awarded points for this course.

W-504: ASBESTOS AND OTHER FIBERS

Description: Extend knowledge of occupational exposure to fibrous dusts used in industry (asbestos, machine made mineral fibres, aramids, carbon, etc.), understand the health risks of asbestos and other fibres as well as the means of evaluation and control, apply these principals for asbestos consultants as well as OH professionals.

Learning Objectives:

- Recognise the composition, nature and properties of asbestos, machine made mineral and other fibres and their historical uses
- Identify the health effects of asbestos and other fibrous materials and apply appropriate exposure limits
- Know the uses of asbestos in buildings and the public health risk that these may pose
- Conduct asbestos surveys: sampling, identifying bulk asbestos types by microscopic techniques and relevant safety requirements
- Adopt and recognise current good practice in the construction and use of enclosures for asbestos remediation and the use of the decontamination units
- Understand all the principles of clearance testing, the requirements for measurement and appropriate techniques for post remediation evaluation
- Conduct air sampling to determine airborne concentrations of asbestos and other fibres following recognised procedures including microscopic counting techniques
- Advise on all techniques for safe management of asbestos in buildings following good practice

Upon Completion:

- All participants receive a "Certificate of Completion" from Golder upon completion of the course (regardless of completion of the BOHS examination).
- Participants will receive a certificate from the BOHS after passing the exam.
- Participants will earn 40 contact hours of formal Industrial Hygiene training towards qualification to sit for the Certified Industrial Hygienist (CIH) exam.
- Other local and national accrediting associations have awarded points for this course.



W-505: CONTROL OF HAZARDOUS SUBSTANCES

Description: The aim of the course is to describe the ways in which exposure to hazardous substances arises in the work place, and to introduce the methodologies and technologies available to control exposures and thereby reduce risks to health.

Learning Objectives:

- Describe how airborne contaminants are generated by industrial processes
- Understand how this impacts the control strategy
- Develop optimized control strategies
- Carry out measurements to assess the local exhaust ventilation systems
- Take a holistic approach to the design of control solutions

Upon Completion:

- All participants receive a “Certificate of Completion” from Golder upon completion of the course (regardless of completion of the BOHS examination).
- Participants will receive a certificate from the BOHS after passing the exam.
- Participants will earn 40 contact hours of formal Industrial Hygiene training towards qualification to sit for the Certified Industrial Hygienist (CIH) exam.
- Other local and national accrediting associations have awarded points for this course.

W-506: ERGONOMICS ESSENTIALS

Description: Introduce ergonomics (muscular-skeletal disorders, manual handling, etc), learn to apply ergonomics in the design of work, equipment and the workplace including social and legal concerns.

Learning Objectives:

- Optimize the efficiency and effectiveness of activities in the workplace using ergonomic solutions
- Understand ergonomic risk assessments and appropriate control measures
- Understand the causes of upper limb disorders and how to reduce them
- Understand the impacts of workplace layout and equipment design
- Appreciate environmental aspects of good ergonomic design

Upon Completion:

- All participants receive a “Certificate of Completion” from Golder upon completion of the course (regardless of completion of the BOHS examination).
- Participants will receive a certificate from the BOHS after passing the exam.
- Participants will earn 40 contact hours of formal Industrial Hygiene training towards qualification to sit for the Certified Industrial Hygienist (CIH) exam.
- Other local and national accrediting associations have awarded points for this course.



W-507: HEALTH EFFECTS OF HAZARDOUS SUBSTANCE

Description: Hazardous substances use and processes, workplace control principles, process design and principles, ventilation systems and performance assessment, personal protective equipment, administrative element.

Learning Objectives:

- Provide definitions of commonly used toxicological terms
- Describe the main routes by which hazardous substances can enter the body, and the factors which influence their absorption, distribution, storage and elimination
- Describe the main sources of information on hazardous substances and processes
- Describe the main features of the principal target organs affected by hazardous substances at work, and the factors which influence the degree of harm
- Describe the main routes of exposure and toxic and health effects for hazardous substances commonly encountered in the workplace
- Basic interpretation of the results from epidemiological studies

Upon Completion:

- All participants receive a "Certificate of Completion" from Golder upon completion of the course (regardless of completion of the BOHS examination).
- Participants will receive a certificate from the BOHS after passing the exam.
- Participants will earn 40 contact hours of formal Industrial Hygiene training towards qualification to sit for the Certified Industrial Hygienist (CIH) exam.
- Other local and national accrediting associations have awarded points for this course.

W-201: BASIC PRINCIPLES IN OCCUPATIONAL HYGIENE

Description: Provide practical understanding of occupational hygiene for people who need to manage or advise on workplace health issues, provide foundation from which to undertake more in-depth study in individual occupational hygiene subjects, inform and enthuse students about the contribution of occupational hygiene to worker health.

Course suitable for: Health & Safety professionals, occupational health specialists (including physicians and nurses), other specialists wishing to interface on workplace health issues (e.g. acoustics, ergonomics, human factors, occupational psychology, work, organization, bio safety, engineering, or analytical chemistry.)

This OHTA module is offered English, Portuguese, Spanish and Mandarin.

Learning Objectives:

- Value occupational hygiene in improving worker health and understand the role of the occupational hygienist
- Understand health hazards encountered in the workplace and identification techniques (foundation level)
- Identify sources and potential routes of occupational exposure (foundation level)
- Understand the basics of which exposure assessment, measurement processes, and control methods we use (foundation level)
- Manage occupational hygiene programmes in your work environment

Upon Completion:

- All participants receive a "Certificate of Completion" from Golder upon completion of the course (regardless of completion of the BOHS examination).
- Participants will receive a certificate from the BOHS after passing the exam.
- Participants will earn 40 contact hours of formal Industrial Hygiene training towards qualification to sit for the Certified Industrial Hygienist (CIH) exam.
- Other local and national accrediting associations have awarded points for this course.



COURSE CALENDAR

MARCH	APRIL	MAY	JUNE
<p>Module W505 - Control of Hazardous Substances Mumbai, India March 19 - March 23</p> <p>Module W507 - Health Effects of Hazardous Substances Shanghai, China March 12 - March 16</p>	<p>Module W505 - Control of Hazardous Substances Ottawa, ON, Canada April 16 - April 20</p> <p>Module W501 - Measurement of Hazardous Substances (Including Risk Assessment) Turin, Italy April 16 - April 20</p> <p>Module W201 - Basic Principles in Occupational Hygiene Manila, Philippines April 23 - April 27</p> <p>Module W505 - Control of Hazardous Substances London, UK April 30 - May 4</p> <p>Module W501 - Measurement of Hazardous substances (Including Risk Assessment) Pittsburgh, PA, USA April 30 - May 4</p>	<p>Module W507 - Health Effects of Hazardous Substance Singapore May 21 - May 25</p>	<p>Module W505 - Control of Hazardous Substances London, ON, Canada June 4 - June 8</p>



AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
<p>Module W504 - Asbestos and Other Fibres Shanghai, China August 27 - August 31</p>	<p>Module W501 - Measurement of Hazardous Substances (Including Risk Assessment) Calgary, AB, Canada September 24 - September 28</p> <p>Module W501 - Measurement of Hazardous Substances (Including Risk Assessment) Chennai, India September 24 - September 28</p>	<p>Module W201 - Basics in Occupational Hygiene Sudbury, ON, Canada October 15 - October 19</p> <p>Module W505 - Control of Hazardous Substances Denver, CO, USA October 15 - October 19</p> <p>Golder 3-day Special Course (Non-OHTA) Measurement of Hazardous Substances (Including Risk Assessment) Balikpapan, Indonesia October 1 - October 3</p> <p>Module W505 - Control of Hazardous Substances Guangzhou, China October 22 - October 26</p> <p>Module W506 - Ergonomics Essentials Singapore October 8 - October 12</p>	<p>Module W501 - Measurement of Hazardous Substances Houston, TX, USA November 12 - November 16</p> <p>Module W507 - Health Effects of Hazardous Substances West Perth, Australia November 12 - November 16</p> <p>Module W501 - Measurement of Hazardous Substances Workshop Sao Paulo, Brasil November 26 - November 30</p>



GOLDER FACULTY



DR. JAS SINGH, PHD, CIH

Dr. Jas Singh is a widely respected expert on Industrial Hygiene with over 30-years of experience around the world. Over the past 10 years, Dr. Singh has concentrated his professional activities in SE Asia where he has performed many H&S projects in China, India, Singapore, Malaysia, the Philippines and Indonesia. Jas is a Certified Industrial Hygienist (CIH) and is author of a number of professional publications in the H&S field. He received the AIHA's (American Industrial Hygiene Association) "Distinguished Service Award" and the prestigious "Henry Smyth Award" by the Academy of Industrial Hygiene (AIH). He is the Past-President of the (American) Academy of Industrial Hygiene (AIH).



KUKUI AWANA, CIH, CHMM

Kukui Awana has a bachelors degree in chemistry, a Masters degree in Business Administration and is a Certified Industrial Hygienist (CIH) and a Certified Hazardous Materials Manager (CHMM). As Golder's Industrial Hygiene team-leader in Singapore, he provides Industrial Hygiene consulting for organizations throughout SE Asia. Specialties include qualitative industrial hygiene assessments, quantitative industrial hygiene surveys and risk assessment.



WILLIAM ZHU, CIH

William Zhu is a Certified Industrial Hygienist (CIH) and Senior IH Consultant in Golder's Shanghai office. He has conducted a number of IH assessments, audits and training for multinational clients in China. Mr. Zhu was profiled in the AIHA Synergist. He holds a Masters degree in Occupational Health from Fudan University.



MAGGIE ZHU, CIH

Maggie Zhu is an IH Consultant in Golder's Shanghai office. She has extensive experience in exposure assessments and other IH projects. She is familiar with Chinese regulatory requirements and professional guidelines. Ms. Zhu holds a Master's degree in Occupational Health from Fudan University.



NANCY WILK, HBSC MHSC CIH

Nancy Wilk is an Associate and Senior Practice Leader in Industrial Hygiene. Nancy has 25 years experience in the comprehensive practice of industrial hygiene and occupational health and safety. Nancy is a Certified Industrial Hygienist (CIH) and holds a Masters degree in industrial hygiene through the Faculty of Medicine at the University of Toronto. She is author of a number of professional articles on industrial hygiene-related topics including cancer in the steel industry, regularly speaks at professional industrial hygiene and health and safety conferences and currently instructs a university-level course in Environmental Health and Safety.



ANDREAS WAGNER, M.ENG., CIH, ROH

Andreas Wagner has 20 years of consulting experience that includes expert witness testimony, asbestos/lead/silica/PCB control and abatement, microbial assessments and remediation, indoor air quality and odor evaluations, vapor intrusion studies, occupational hygiene projects, and training. He is a Certified Industrial Hygienist (CIH) and Registered Occupational Hygienist (ROH). Andreas is a Senior Practice Leader for Industrial Hygiene Services for the US operation of Golder and since January 2011, also serves as the Operations Manager for the Jacksonville, Florida Office.



ROBERT STOYANOFF, CIH

Robert Stoyanoff is a Senior Industrial Hygienist with Golder's Environmental Health and Safety Group in Mississauga, Ontario. He is a Certified Industrial Hygienist with over 25 years of professional experience, predominantly in the identification, assessment and control of chemical, physical and biological agents in the workplace. In addition to his consulting activities at Golder, Robert is also an instructor in industrial hygiene studies at the Chang School of Continuing Education at Ryerson University in Toronto, Ontario.



DR. ANGELA DARTT, PHD, CIH, AEP

Dr. Angela Dartt is a Certified Industrial Hygienist (CIH) and Industrial Hygiene/Ergonomics consultant at the Golder Fort Collins/Denver office. Dr. Dartt has over 8 years of occupational safety and health experience in manufacturing, construction, oil and gas, mining and the government sector. She has experience in technical application and program management in all facets of occupational and environmental health and safety, with specialised experience in industrial hygiene, ergonomics, and safety. Dr. Dartt is currently the International Affairs Director for the American Industrial Hygiene Association Rocky Mountain Section (AIHA-RMS) and a member of the AIHA Ergonomics Committee.



KATHY NORTON, CIH

Kathy Norton is a Senior EHS Consultant and the Office Manager at Golder Associates' Irvine, California office. Kathy has 20 years of experience in the Occupational and Environmental Health and Safety field. Prior to joining Golder, she worked in EHS roles in manufacturing and at a major EHS consulting firm. Kathy recently served as President of the Orange County California Section of AIHA (American Industrial Hygiene Association).



CHARLIE HAURY, CIH, CSP

Charlie Haury is a Principal with Golder Associates. He is a certified industrial hygienist (CIH), certified safety professional (CSP) and a licensed asbestos consultant (LAC) in the State of Florida. Charlie served as the Corporate Health and Safety Officer for all of Golder's US operations for ten years. He has over 30 years of experience in providing solutions to complex and diverse health and safety issues. He has extensive experience in Occupational Safety and Health Administration (OSHA) regulatory issues, asbestos and lead management, personal protective equipment and indoor environmental quality.



JAMES CRICHTON, B.SC., CIH

James Crichton is a Certified Industrial Hygienist leading the Industrial Hygiene Group in Ottawa and Eastern Ontario. Mr. Crichton has over 10 years experience in manufacturing and building environments managing industrial hygiene worker assessments for multinational clients. Specialties include qualitative risk assessments, quantitative industrial hygiene surveys and worker training.

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TO SERVICE EXCELLENCE AND SUSTAINABILITY THAT YOU NEED TO BE SUCCESSFUL.

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