

**SHORT COURSE CERTIFICATE Reference 2104**

Name of the course	<b>Health and Safety (Sức khỏe và an toàn lao động)</b>	
Contact person	first name	Nhat Minh
	surname	Dang
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	phone	+84 968239205
Workload for participants	4 days a 6 hours	
Learning Outcomes (LO)	After attending this course, participants - have a basic understanding of health risk related to plastic materials and plastic waste - are able to explain how plastic waste is released to the environment; - understand management systems for occupational health and safety; - are able to characterize procedures for the handling of hazardous waste	
Target groups	Employees from companies and environmental management related governmental bodies	
Prerequisites	A basic knowledge of health and safety concepts will help learners to get the most out of this course. The course covers basic understanding of health risk related to plastic materials and plastic waste and procedures for the handling of hazardous waste.	
Description of the course	This course provides basic information about health and safety related aspects of plastic wastes. The release and fate of plastic waste is described and impacts on the environment and health are explained. Management systems for occupational health and safety are explained along with risks, causes of incidents and audit procedures. A case study on hazards in plastic recycling gives more details. As a relevant component for health risks, the management of hazardous is explained, including legal aspects, classification, collection, storage, treatment, and disposal. A case study explains the management of hazardous waste at CITENCO in Hochiminh city.	
Overview of the syllabus	<ul style="list-style-type: none"><li>- Toxicology and health issues (ppt slides)</li><li>- Occupational health and safety (ppt slides)</li><li>- Hazardous waste management (ppt slides)</li></ul>	
Teaching and learning methods	This course will be taught in front-of-class teaching and in the future with Flipped Classroom and PBL learning method.	
Assessment of LO	The final evaluation of this course will be provided by combining the following parts: <ul style="list-style-type: none"><li>- Attendance &amp; course contribution: 20%</li><li>- Midterm exam by project solving: 20%</li><li>- Final exam: 60%.</li></ul>	
Trainer	<ul style="list-style-type: none"><li>• Assoc.Prof.Dr. Dinh Trinh TRAN</li><li>• Dr. Thanh Dong PHAM</li><li>• Dr. Minh Ngoc HA</li></ul>	

Reviewer 1	Prof. Dr.-Ing. Kerstin Kuchta, Technical University Hamburg
Reviewer 2	Prof. Dr. Sengprasong Phrakonkham, National University of Laos
Date of Certification	2021-04-14
Expiration of Certification	2024-04-13

Vienna, 2021-04-14

Dr. Gerhard Schleining

