



# COURSE SYLLABUS

## HAZARDOUS WASTE MANAGEMENT

Credits: 02 (Lectures 02 – Practices 0 – Self-study 06)

Code: MT 02002



### EXPECTED LEARNING OUTCOMES

Abbreviation	Course expected learning outcomes after completion of this course, students can	Expected learning outcomes of the program
<b>Knowledge</b>		
CELO1	Describe the concepts, origin, characteristics and classification of hazardous waste (hazardous waste)	ELO2: Analyze environmental quality includes the design and implementation of environmental experiments, as well as data collection and interpretation. ELO3: Assess the impact of resource use and emissions on environmental quality.
CELO2	Analyze the hazardous waste management system	ELO4: Develop sustainable solutions for the management and protection of the environment and resources based on different perspectives of science, humanities and society.
CELO3	Presentation of stages of collection, storage and transportation of hazardous wastes	ELO2: Analyze environmental quality includes the design and implementation of environmental experiments, as well as data collection and interpretation. ELO3: Assess the impact of resource use and emissions on environmental quality.
CELO4	Select treatment and recovery technologies for suitable types of hazardous wastes	ELO4: Develop sustainable solutions for the management and protection of the environment and resources based on different perspectives of science, humanities and society. ELO 5: Design waste treatment facilities (solid, liquid and gas) according to national and international standards and regulations.
<b>Skills</b>		
CELO5	Find and read documents fluently, know how to write complete reports and presentations	ELO7: Work in group and Lead the multi-functional team. ELO8: Effective oral, written, and multimedia communication with stakeholders in a diverse environment; English standard as prescribed by the Ministry of Education and Training.
CELO6	Find and read documents fluently, know how to write complete reports and presentations	ELO7: Work in group and Lead the multi-functional team.
CELO7	Using software and information technology in solving environment tasks	ELO8: Effective oral, written, and multimedia communication with stakeholders in a diverse environment; English standard as prescribed by the Ministry of Education and Training.
<b>Attitudes</b>		
CELO8	Proactively study and research, update knowledge related to the field of work	ELO11: Determine a clear professional orientation, career passion and a sense of lifelong learning.

### COURSE CONTENTS

Chapter 1: Basic concepts of hazardous waste

Chapter 2: Hazardous waste management system

Chapter 3: Collection, storage and transportation of hazardous wastes

Chapter 4: Methods for hazardous waste treatment

### RESPONSIBILITY OF STUDENTS

- Attendance: All students attending this module must attend at least 75% of class time and 100% of class discussions.

- Preparing for the lecture: All students attending this module must read the chapters of the next session.

- Presentation and Discussion: All students attending this module must take part in the thematic essay and on-demand group discussion.

- Self-study: Students should actively read and synthesize materials instructed by lecturers

### LEARNING METHODS

- Students participate in lectures and group discussions
- Students read the materials themselves, synthesize information related to the subject and group discussions
- E-learning: self-research, exchange electronic documents

### EVALUATION AND GRADING

- Grading scale: 10

Participation  
(10%)

Group report and  
presentation  
(30%)

Final test  
(60%)

### LECTURERS

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