

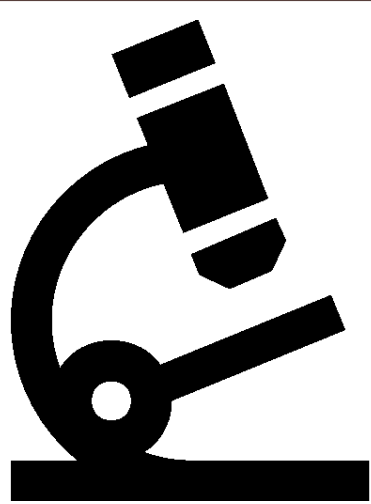


COURSE SYLLABUS

HAZARDOUS WASTE MANAGEMENT

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

Code: MT 02002



Course Expected Learning Outcomes

Indicator	Upon the completion of the course, student able to	Expected learning outcomes of program
Knowledge		
CELO1	Present the concepts, origin, nature and classification of hazardous waste (HW)	ELO2: Analyze environmental quality including designing and conducting experiments, collecting data, and interpreting results.
CELO2	Analyze the HW management system	ELO3: Evaluate the impact of natural resource exploitation and emissions on environmental quality
CELO3	Presenting the stages of collection, storage and transportation of HW	ELO4: : Develop sustainable solutions for the management and protection of the environment and natural resources based on different perspectives of natural science, social science, and humanities
CELO4	Selecting suitable treatment and recovery technologies for different types of HW	ELO5: Design waste treatment system (solid, liquid, gas) according to national and international standards and regulations.
Skills		
CELO5	Exploit documents proficiently through working independently and in groups, knowing how to write complete reports and presentations	ELO7: Teamwork and cross-functional team leadership. ELO8: Communicate effectively orally, in writing, and in multimedia with stakeholders in diverse environments; meet English standards as prescribed by the Ministry of Education and Training.
Attitude		
CELO6	Actively 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: General concept of hazardous waste

Chapter 2: Hazardous waste management system

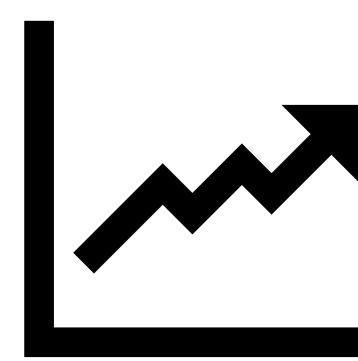
Chapter 3: Collection, storage and transportation of hazardous waste

Chapter 4. Hazardous waste treatment methods



Learning methods

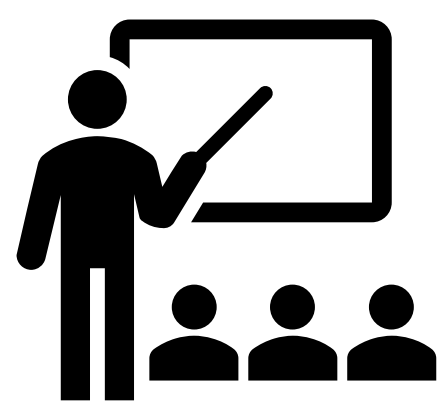
- Join in the discussion, exchange idea in class
- Self-study: reading documents, doing exercises, studying materials provided by lecturers through online learning (E-learning; MS teams)
- Group learning: discuss issues related to the environmental protection planning
- Writing an essay and doing presentation



Evaluation and grading

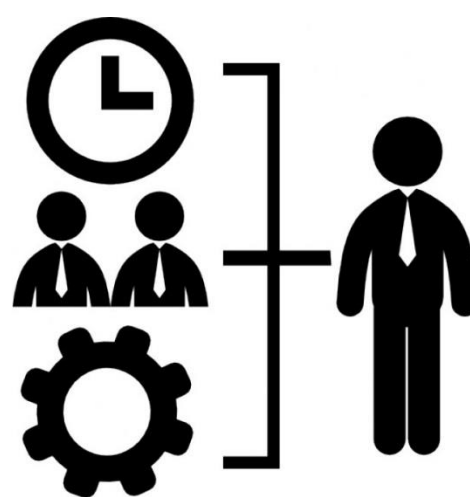
- Grading scale: 10
- Evaluation:

Class participation	Assignment for mid-term	Final examination
10%	30%	60%



Responsibility of students

- Attendance: Students must attend at least 75% of the class and participate in class activities
- Self-study: Students should read, synthesizing materials provided by lecturers through E-learning system, conducting group discussions with the instructor's guidance
- Presentation and Discussion: Students must participate in class discussions; work in groups to make presentations; develop thematic essays on demand
- Final exam: students must take the final exam



Key lecturers

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