

### Expected learning outcomes

Indicator	Upon the completion of the course, student able to	Expected learning outcomes (ELO) of program
<b>Knowledge</b>		
CELO1	<b>Analyze</b> current environmental situation according to guideline or standards procedures	ELO2: <b>To Analyze</b> environmental quality including the design and implementation of environmental tests, as well as data collection and interpretation.
CELO2	<b>Assess</b> the multidimensional impacts of resource use, emissions on environmental protection	ELO3: <b>To Evaluate</b> the impact of resource use and emissions on environmental quality
<b>Skills</b>		
CELO3	<b>Apply</b> basic principles/criteria to solve problems in simple case study.	ELO 6: <b>Applying</b> system-level thinking, critical thinking and creative thinking in solving problems of the environmental industry and related fields.
CELO4	<b>Participate</b> in solving problems effectively	ELO7: <b>Ability</b> in team work and leadership in multiple tasks.
CELO5	<b>Multimedia</b> communication in environment	ELO8: <b>Communicate</b> effectively via oral, text, and multimedia communication with stakeholders in a diverse environment; English standard as prescribed by the Ministry of Education and Training.
CELO6	<b>Proficient use</b> of survey and data collection skills for analysis of environmental and resource management systems	ELO 9: <b>Applying</b> appropriated approaches and appropriate methods and techniques to investigate, survey and study environmental industry issues.
CELO7	<b>Using modern</b> information technology and analytical equipment to solve exercises on management and design of waste treatment facilities	ELO 10: <b>Use</b> modern technology, equipment and techniques in natural resources and environmental management and protection activities.
<b>Attitude</b>		
CELO8	Having good attitude and culture behavior to work at office & institutions, professional ethical standards	ELO11: <b>Determine a clear future orientation</b> , career passion and a sense of lifelong learning.



### Brief descriptions

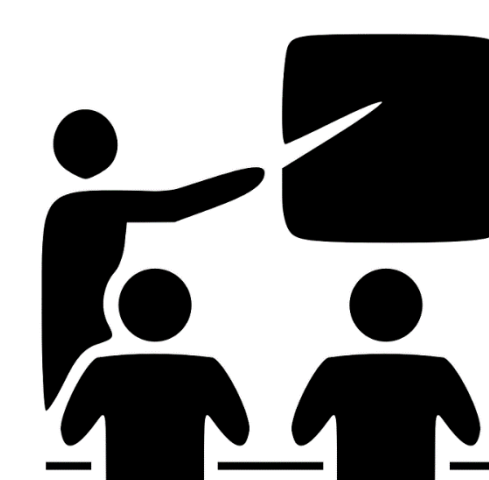
Chapter 1. Introduction of Environmental Research Methods

Chapter 2. Data Collection Methods

Chapter 3. Data Analysis Methods

Chapter 4. Research Design

Practice: 05 assignments for research Skills



### Learning methods

- Self-study: reading documents, doing exercises, studying materials
- Participate in the discussion, exchange ideas in class
- Study in a practical group: discuss issues related to the application of research methods in hypothetical situations.
- E – learning: Search documents; online group discussion by topic; do homework on Ms Teams.



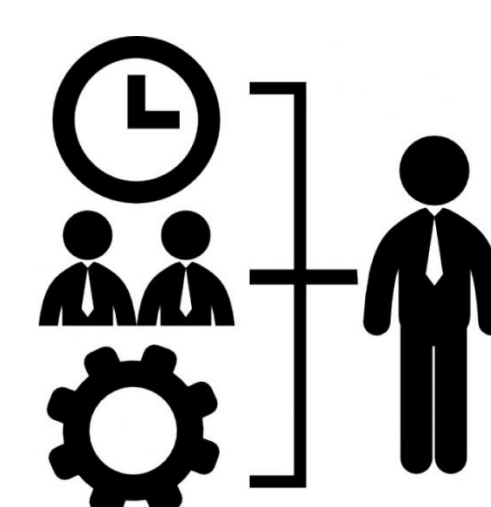
### Assessment methods

- Grading Scale: 10
- Evaluation based on:

Group discussion (10%)	Group report and presentation (20%)	Practice (20%)	Final Exam (50%)
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### Student tasks

- Attendance: Students must attend at least 75% of the class and participate in class activities.
- Presentation and Discussion: Students must participate in class discussions (online & offline); work in groups to make presentations; attend in practice class.
- Self-study: Students should read; synthesizing materials provided by lecturers through Ms Teams, conducting group discussions following the instructor's guidance.



### Instructors

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