COURSE SYLLABUS

Environmental Research Methods

Total credit: 02 (01 Lecture - 01 Practices - 06 seftstudy)

Code: MT 03007

Expected learning outcomes

Indicator	Upon the completion of the course, student able to	Expected learning outcomes (ELO) of program
Knowledge		
CELO1	**Assess** the multidimensional impacts of resource use, emissions on environmental protection	ELO3: Evaluate the impact of natural resource exploitation and emissions on environmental quality
CELO2	**Apply** basic principles/criteria to solve problems in simple case study.	ELO 6: Apply systematic, critical, and creative thinking in solving problems in the environmental and related fields
Skills		
CELO3	**Participate** in solving problems effectively	ELO7: Work in groups and lead multi-functional teams effectively.
CELO4	**Proficient use** of survey and data collection skills for analysis of environmental and resource management systems	ELO 9: Apply appropriate approaches, suitable methods, and techniques to investigate, survey, and study environmental problems.
CELO5	**Using modern** information technology and analytical equipment to solve exercises on management and design of waste treatment facilities	ELO 10: Use modern technology, equipment, and techniques in the management and protection of the environment and natural resources.
Attitude		
CELO6	**Having good attitude and culture behavior** to work at office & institutions, professional ethical standards	ELO11: Define a clear future orientation, career passion and a sense of lifelong learning.

Brief descriptions

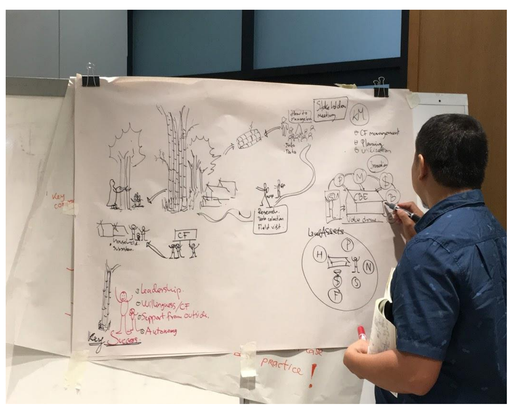
Chapter 1. Introduction of Environmental Research Methods

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:

Class Participation (10%)	Practice (20%)	Group report and presentation (20%)	Final Exam (50%)

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

Associate Professor Nguyen Thanh Lam,

Email: ntlam_cares@vnua.edu.vn

Dr. Nguyen Thi Hong Ngoc

Email: nthngoc@vnua.edu.vn

Dr. Vo Huu Cong

Email: vhcong@vnua.edu.vn