

COURSE SYLABUS – code MT03008 ENVIRONMENTAL MONITORING



Credits: 02 (Lectures: 02 - Self-study: 06)



EXPECTED LEARNING OUTCOMES

Upon the completion of the course, student able to

		-	
	KNOWLEDGE	CELO1	Applying environmental quality assessment criteria in determining information needs and collecting environmental quality environmental quality environmental quality
		CELO2	Apply the steps to build a monitoring program for a ELO2 . Analyze environmental quality including designing and conducting specific goal experiments, collecting data, and interpreting results
		CELO3	Apply basic principles of sampling methods, sampling techniques, sample preservation and analysis, sample quality control and environmental analysis, sample quality control and environmental environmental monitoring data ELO2. Analyze environmental quality including designing and conducting experiments, collecting data, and interpreting results 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	Develop an environmental quality assessment report ELO3. Evaluate the impact of natural resource exploitation and emissions on environmental quality
	SKILLS	CELO5	Proficient in planning surveys, surveys, interviews, ELO6 . Apply systematic, critical, and creative thinking in solving problems in collecting secondary data, developing plans for the environmental and related fields monitoring environmental quality of soil, water, water, waste
		CELO6	Perform information processing, report development ELO8. Communicate effectively via oral, written, and multimedia means with and report presentation ELO8 are development of the Ministry of Education and Training
	ATTITUTE	CELO7	Actively learning and updating professional ethics, taking environmental assessment development shows the professional ethics, taking environmental assessment development shows the profession and the profession of the profession

















BRIEF DESCRIPTION

Chapter 1. Environmental monitoring concept

Chapter 2. Build environmental monitoring programs

Chapter 3. Techniques in environmental monitoring sampling

Chapter 4. Methods of analyzing environmental parameters

Chapter 5. Evaluate and publish environmental monitoring results



LEARNING METHODS

- Join in the discussion, exchange idea in class
- Self-study: reading documents, doing exercises, studying materials
- Group learning: discuss issues related environmental impact aspects of the project
- E learning: Search and look up documents; group discussion by topic; do homework



ASSESSMENT METHODS

Grading scale: 10 Evaluation:

Discussion and individual exercises (30%) **Group discussion** and presentation (20%)

Final exam (50%)



STUDENT TASKS

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



KEY ACADEMIC STAFFS

TRINH QUANG HUY email: tqhuy@vnua.edu.vn

NGUYEN THI THU HA email: thuha@vnua.edu.vn

Department of Environmental Technology

Tel: +84.024.62617636/+84.024.38768221

Fax: +84.024.38760476

Web: http://www.tnmt.vnua.edu.vn

Email: tnmt@vnua.edu.vn