

COURSE TITLE: QL01014: WATER RESOURCES MANAGEMENT

Credits: 02 (1.5 Lecture – 0.5 Laboratory – 06 Self-Learning)

EXPECTED LEARNING OUTCOMES

Notation	Upon completion of this courses, students are able to	CĐR of program
Knowledge		
K1	Appropriate analysis of basic knowledge to be able to assess issues related to water resources management	ELO2: Analyze environmental quality including designing and conducting experiments, collecting data, and interpreting results.
К2	Apply the basic knowledge of in-depth research to improve capacity in the field of water resources management.	ELO3: Evaluate the impact of natural resource exploitation and emissions on environmental quality. 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.
Skills		
K3	Proficient use of software applied in water resource planning and management through group practice activities	ELO7: Work in groups and lead multi-functional teams effectively.
Attitude		
K4	Express a clear orientation and has a passion for the career	ELO11: Define a clear career orientation; possess a passion for one's career and a sense of lifelong learning.
CONTENTS		
Chapter 1: Introduction to water resources management		
Chapter 2: Characteristics of watershed		
Chapter 3. Water governance and economics		
Chapter 4. Water resources development and sustainable use of water Group- Teaching		
Chapter 5. Water resource planning and management based based learning		
Chapter 6. Application of WEAP in water resources management		

STUDENT TASKS

- Attendance: All students attending this module must attend full classes in accordance with university's regulations

- Preparation for the lecture: All students participating in this module must read the lecture delivered by the lecturer and read relevant book before the class.

- Laboratory: All students must attend all laboratory sessions, write lab reports under lecturer's supervision

- Essay: Complete the essay assigned by superviser.

ASSESSMENT METHODS

- 1. Grading system: 10
- 2. Weighting
- Attendance: 10%
- Essay: 15%
- Laboratory: 15%
- Final exam: 60%



Essay

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