COURSE SYLLABUS
BASIC METEOROLOGY
Credits: 02 (Lectures 1.5 – Practices 0 .5– Self-study 06)

Course Expected Learning Outcomes

Abbreviation	Course expected learning outcomes After completion of this course, students can	Expected learning outcomes of the program
Knowledge		
CELO1	Present mechanism of weather and climate formation	ELO1: Apply the knowledge of natural sciences, politics, society, humanities, law, economics and the understanding of contemporary issues into environmental sciences
CELO2	Describe the spatial-temporal change characteristics of climate factors	ELO2: Analyze environmental quality including designing and conducting experiments, collecting data, and interpreting results
CELO3	Evaluate the impact of climate factors on human, environment and mitigation measures	ELO3: Evaluate the impact of natural resource exploitation and emissions on environmental quality
Skills		
CELO4	Observe meteorological factors	ELO 9: Apply appropriate approaches, suitable methods, and techniques to investigate, survey, and study environmental problems
CELO5	Analyze climate data	ELO 9: Apply appropriate approaches, suitable methods, and techniques to investigate, survey, and study environmental problems
CELO6	Working in group for meteorological observation	ELO7: Work in groups and lead multi-functional teams effectively
Attitude		
CELO7	Learn and update knowledge actively	ELO11: Define a clear career orientation; possess a passion for one's career and a sense of lifelong learning

Course contents

Chapter 1: Composition and structure of the earth's atmosphere

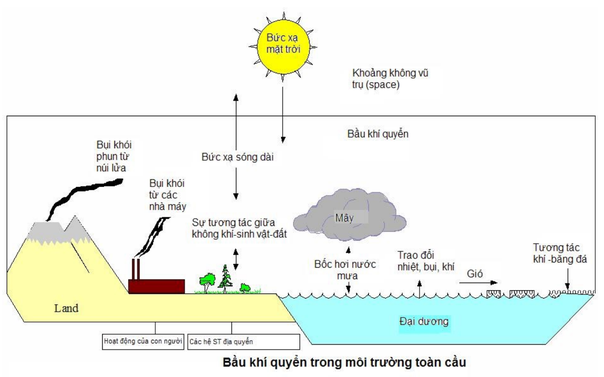
Chapter 2: Solar radiation

Chapter 3: Soil and air temperature

Chapter 4: Water cycle in atmosphere

Chapter 5: Air pressure and wind

Chapter 6: Meteorological disasters in Vietnam



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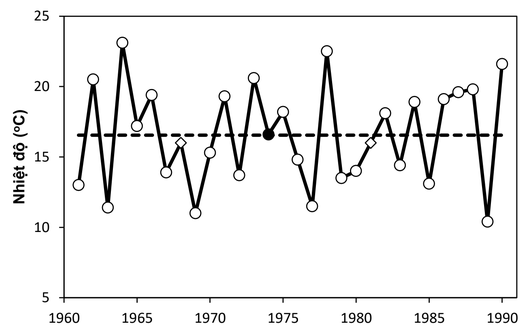

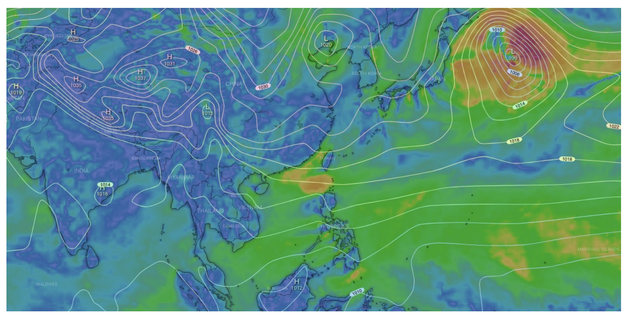

Learning methods

- Full class attendance and participation in discussion and exchange oppinions in class
- Self-study: reading the recommended documents, working on the assignment
- Practical for climate data analysis and weather observation
- E – learning: download lecture handouts, references and climate data; submit the practical report; exchange issues related the lectures, assigment and practice (if neccessary)

Evaluation and grading

- Grading scale: 10
- Evaluation:

Class participation	Practice	Assignment	Final examination
10%	20%	20%	50%

Responsibility of students

- Attendance: Students should attend all the lecture hours and participate in class activities
- Self-study: students should actively study the materials provided through the e-learning system
- Practical: Students must be presented at all three practical sessions and submit one practical report
- Assignment: Students must submit one required assignment

In charge lecturers

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