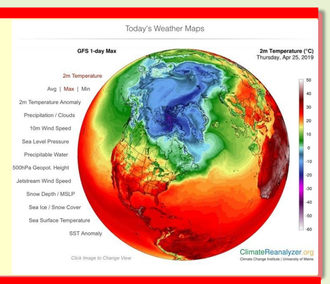
# CLIMATE CHANGE AND COPING CAPACITY

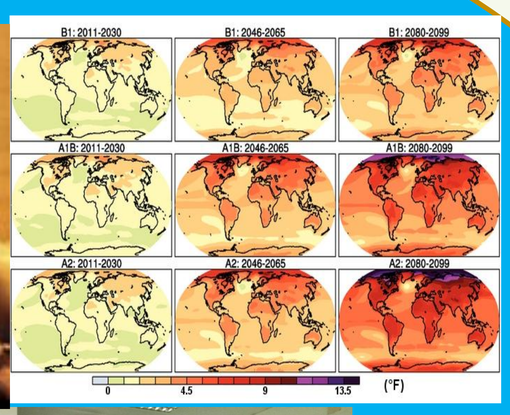


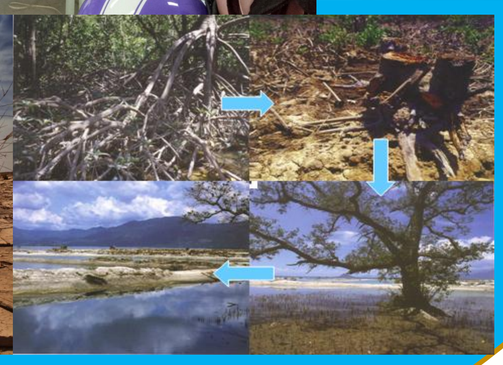

## EXPECTED LEARNING OUTCOMES (ELOs) OF PROGRAMME

| | |
|---|---|
| **KNOWLEGES** | |
| **ELO 1** | **Apply** mathematical, scientific, technical, social knowledge, and knowledge on contemporary issues in the field of Aquaculture |
| **ELO 2** | **Analyze** data to conduct surveys and research in the field of Aquaculture |
| **ELO 3** | **Assess** the quality of care, treatment, and health management of Aquaculture objects |
| **ELO 4** | **Design** the model of Aquaculture farming and seed production along the direction of clean production and ensuring safety food sources for human |
| **SOFT SKILLS** | |
| **ELO 5** | **Apply** creative thinking, critical thinking, and problem solving skills in variety of contexts |
| **ELO 6** | **Work** independently, lead the team, and manage the project towards its goals |
| **ELO 7** | **Communicate** effectively, understand cultural differences, read and understand English documents in the field of Aquaculture |
| **PROFESSIONAL SKILLS** | |
| **ELO 8** | **Provide** technical and business advice in the field of Aquaculture to benefit stakeholders (producers, traders, communities) |
| **ELO 9** | **Use** information technology and modern equipment of the Aquaculture sector effectively |
| **ATTITUDES** | |
| **ELO 10** | **Develop** a professional work attitude, uphold professional ethics, demonstrate an awareness of environmental and human protection, love and protect animals. |
| **ELO 11** | **Demonstrate** a spirit of entrepreneurship and life-long learning |

### RATING AND SCORING

- Score scale: 10
- Process evaluation: 50% (short question, presentation, practise project)
- Final exam: 50% (paper test)
- Process evaluation: 50% + Final exam: 50%
- Number of credits: 2 credits (1 theory credits, 1 practice credits)
- Semester: 2 (2nd semester, 1st year)



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## COURSE EXPECTED LEARNING OUTCOMES (CELOs)

| Symbol | Expected learning results of the module | ELOs of programme |
|---|---|---|
| **KNOWLEGES** | | |
| **CELO 1** | Explain the causes, characteristics and developments of climate change | ELO1 |
| **CELO 2** | Assess the impact of climate change on natural resources, environment and agriculture and aquaculture field | ELO2 |
| **CELO 3** | Design adaptive/response climate change models | ELO4 |
| **PROFESSIONAL SKILLS** | | |
| **CELO 4** | Apply analytical and problem solving thinking in professional contexts | ELO5 |
| **SOFT SKILLS** | | |
| **CELO 5** | Develop skills for independent work, teamwork | ELO6 |
| **CELO 6** | Use communication, presentation and report writing skills | ELO7 |
| **ATTITUDES** | | |
| **CELO 7** | Conscious of professional ethics | ELO10 |
| **CELO 8** | Demonstrate a sense of self-study and self-research | ELO11 |

### COURSE DECRIPTION

The course aims to introduce students to knowledge about the elements of climate change, to be aware of the developments and to be provided with forecast information and future scenarios. In addition, students are equipped with knowledge about how to deal with climate change. Students will be updated with knowledge of current models in the field to respond to climate change. Students can apply the knowledge they have learned into their own profession. This course also trains students with technical skills such as establishing research topics on the application of basic knowledge of climate change on their field of expertise. Students will have the ability to evaluate critical level and are equipped with skills to develop disaster response options and the disadvantages caused by climate change. They are also educated to be aware of their roles and responsibilities, to abide by academic rules, to love the subject, to be seriously aware of climate change and to be responsive in every aspect.

### COURSE CONTENTS

- **Chapter 1:** Identify the characteristics and causes of climate change
- **Chapter 2:** Identify current situation and changes in climate change globally and in Vietnam
- **Chapter 3:** Identify climate change scenarios and apply them to specific conditions and fields
- **Chapter 4:** Develop climate change response measures in specialized fields

### LEARNING METHODS

- Read independent material, ask related questions
- Join lectures, watch videos, discuss in groups
- Listen, answer questions
- Do homework, specialized reports
- Practice: Project implementation
- Project Report.

### DUTIES OF STUDENTS

- Attendance: Students must attend at least 70% for the theory and 90% for the practical.
- Preparation: Students must read teaching materials, reference books and search for materials provided and introduced by lecturers.
- Attitude: actively participating in questioning, commenting, critical review, evaluation and marketing