

**PROGRAM FOR UNDERGRADUATE
ENVIRONMENTAL SCIENCE**

COURSE SPECIFICATION

SN03053: ENGLISH FOR ENVIRONMENTAL SCIENCE

I. General information

- Term: 5
- Credits: **Total credits 2 (Lecture: 2 – Practice: 0 - Self-study: 6)**
- Credit hours for teaching and learning activities:
 - + Lecture: 9.5 hrs
 - + Exercises on class: 20.5 hrs
- Self-study: 60 hrs.
- Department conducting the course:
 - Department: General English
 - Faculty: Education and Foreign Languages
- Kind of the course:

Foundation <input type="checkbox"/>		Fundamental <input type="checkbox"/>	
Compulsory <input type="checkbox"/>	Elective <input type="checkbox"/>	Compulsory X	Elective <input type="checkbox"/>

- Prerequisite course(s): SN01033: English 2.
- Course language: English **X** Vietnamese

II. Course objectives and expected learning outcomes

*** Course objectives:**

- Knowledge: Course provides students: basic concepts in environmental science; environmental science knowledge from reading texts; and environmental issues in English.
- Skills: Course helps students practice skills in researching and updating related professional knowledge.
- Ethics and Attitude: Course enhances students' awareness to build proactiveness in learning and life-long learning attitude.

*** Expected learning outcomes of the program**

Upon completion of the program, students are able to:	
General knowledge	ELO1: Apply the knowledge of natural sciences, politics, society, humanities, law, economics and understand contemporary issues in the field of environmental sciences.
Professional knowledge	ELO2: Analyze environmental qualities including design and implement the environmental tests, data collection and interpretation.
	ELO3: Evaluate the impact of resource exploitation and emissions on environmental quality.

	ELO4: Develop sustainable solutions for environmental and resources management and protection from different perspectives of science, humanities and society.
	ELO 5: Design waste treatment facilities (solid wastes, wastewater and air pollutants) according to national and international standards and regulations.
General skills	ELO 6: Apply systematic thinking, critical thinking and creative thinking in solving environmental problems and related fields.
	ELO7: Work in group and Lead the multi-functional team.
	ELO8: Communicate effectively via oral, written, and multimedia with stakeholders in a dynamic environment; Obtain an English standard as required by the Ministry of Education and Training.
Professional skills	ELO 9: Apply appropriate approaches and methods, techniques to investigate, survey and study environmental issues.
	ELO 10: Use modern technology, equipment and techniques in natural resources and environment management and protection activities.
Ethics and Attitudes	ELO11: Determine a clear professional orientation, career passion and a sense of lifelong learning.
	ELO12: Demonstrate professional ethical standards, carrying out responsibility for environmental protection and serving the sustainable development of Vietnam and the globe.

*** Course expected learning outcomes**

This course contributes to program expected learning outcomes as follows:

I – Introduction; P – Practice; R – Reinforce; M – Master

Code	Course name	Program expected learning outcomes											
		ELO1	ELO2	ELO3	ELO4	ELO5	ELO6	ELO7	ELO8	ELO9	ELO10	ELO11	ELO12
SN03053	English for Environmental Science	I		I					R			I	

Notation	Course expected learning outcomes	Program expected learning outcomes
	After successfully completing this course, students are able to	
Knowledge		
CELO1	Distinguish English terminology in understanding environmental science issues.	ELO1: Apply the knowledge of natural sciences, politics, society, humanities, law, economics and understand contemporary issues in the field of environmental sciences. ELO3: Evaluate the impact of resource exploitation and emissions on environmental quality.
CELO2	Apply English grammar features frequently used in professional documents about environmental science	ELO1: Apply the knowledge of natural sciences, politics, society, humanities, law, economics and understand contemporary

	in understanding its content.	issues in the field of environmental sciences. ELO3: Evaluate the impact of resource exploitation and emissions on environmental quality.
CELO3	Understand simple definitions in environmental field	ELO1: Apply the knowledge of natural sciences, politics, society, humanities, law, economics and understand contemporary issues in the field of environmental sciences. ELO3: Evaluate the impact of resource exploitation and emissions on environmental quality.
Skills		
CELO4	Combine different knowledge and skills to solve reading tasks related to environmental science	ELO8: Communicate effectively via oral, written, and multimedia with stakeholders in a dynamic environment; Obtain an English standard as required by the Ministry of Education and Training.
CELO5	Combine different knowledge and skills to present about environmental science issues in English.	ELO8: Communicate effectively via oral, written, and multimedia with stakeholders in a dynamic environment; Obtain an English standard as required by the Ministry of Education and Training.
Ethics and Attitude		
CELO6	Display proactiveness in learning, researching, and updating related professional knowledge; and enhance life long learning attitude.	ELO11: Determine a clear professional orientation, career passion and a sense of lifelong learning.

III. Course description

Code: SNE03053 – Name: English for Environmental Science (Total credits 02: lecture 02 - practice 0 - self-study 06).

Brief description of the course: This course consists of five modules, including: Useful Language for Scientific Presentation; Basic ecology; Environment and Sustainable Development; Environmental pollution; Problems in Pollution control.

IV. Teaching and learning methods

1. Teaching methods

- Lecturing method
- Group-based learning
- Teaching with multiple choice questions
- Teaching using video clips
- Class Discussion

2. Learning methods

- Self-study, learning journals

- Pair and group discussion
- Note-taking, projects, presentations

V. Student tasks

- Attendance: All students taking this course must attend all the required classes in the class; participate in class discussion according to the teacher's instructions;
- Preparation for the lecture: All students taking this course must read relevant materials and check the new vocabulary for the new lesson before class.
- Assignment: All students must complete all the assignments/ homework assigned by the teacher.
- Mid-term exam: All students taking this course must fulfil the mid-term test
- Final exam: All students taking this course must sit the final exam

VI. Assessment methods

1. Grading: 10

2. Assessment plan and weighting

- Rubric 1: Participation: 10 %
- Rubric 2: Presentation : 30 %
- Rubric 3: Final exam: 60%

3. Assessment summary

Table1. Assessment matrix of Course expected learning outcomes

<i>Course expected learning outcomes</i>	Rubric 1: Participation (10%)	Rubric 2: Presentation (30%)	Rubric 3: Final exam (60%)
CELO1	x	x	X
CELO2	x	x	X
CELO3	X	X	X
CELO4	X		X
CELO5		X	
CELO6	X	X	

**Table2. Indicators of Course expected learning outcomes
(Used for final exam)**

<i>Course expected learning outcomes</i>	<i>Indicators of Course expected learning outcomes</i>
CELO1, CELO2	Indicator 1. Select one correct word/phrase for each short sentence/text.
CELO3	Indicator 2. Decide which given words would be the most suitable to the given definitions.
CELO2, CELO4	Indicator 3: Select one correct answer to each question about a reading text.

Rubric 1: Participation

Areas of assessment	Weighting (%)	Excellence 8.5 – 10 point	Good 6.5 – 8.4 point	Fair 4.0 – 6.4 point	Poor 0 – 3.9 point
Attendance	50	Attending more than 90% of class hours	Attending between 80%-90% of class hours	Attending between 60%-80% of class hours	Attending less than 50% of class hours
Participation	50	Listening attentively to the teacher, cooperating well with partners in pair-work or group work, being active in discussions	Listening attentively to the teacher, cooperating well with partners in pair-work or group work, but not being active in discussions	Listening attentively to the teacher, but not cooperating well with partners in pair-work or group work, not being active in discussions	Not listening attentively to the teacher, not cooperating well with partners in pair-work or group work, not being active in discussions

Rubric 2: Presentation

Criteria	Weight (%)	Excellent 8.5-10 point	Good 6.5-8.4 point	Fair 4.0 – 6.4 point	Poor 0 – 3.9 point
Content	10	More various than required	Enough as required	Not enough, miss some important content	Miss a lot of important content
	20	Correct, scientific	Quite correct, scientific, some small mistakes	Correct, scientific, some big mistakes	Not correct, scientific, a lot of big mistakes
Structure and visuality	10	Structure and slides are reasonable	Structure and slides are quite reasonable	Structure and slides are relatively reasonable	Structure and slides are not reasonable
	10	Very visual and aesthetic	quite visual and aesthetic	relatively visual and aesthetic	Not visual and aesthetic
Presentation skill	10	Lead in and argue attractively, persuasively	Present clearly but not attractively, argue quite persuasively	Hard to follow but can understand important contents	Present unclearly, listeners can't understand important points.
Interaction gestures	10	Good eye contact and gesture	Quite good eye contact and gesture	Not good eye contact and gesture	Do not have eye contact and gesture
Time management	10	Master time and adjust situation	Finish on time, sometimes	Finish on time but not flexible	Exceed the fixed hours

		flexibly	adjust situation flexibly	under situation	
Response to questions	10	Answer all questions clearly and completely	Answer most questions clearly and provide suitable suggestion for unanswered questions	Answer almost questions but not clearly and can't provide suitable suggestion for unanswered questions	Do not answer questions
Cooperating in group	10	All group members participate, collaborate and help each other in presentation and response to questions	group members participate and help each other in presentation and response to questions in some cases	members participate and involve in presentation and response to question rarely	There is no collaboration in the group

4. Course requirements and policies

Late homework: Late homework will account to the subtraction of attendance assessment

Absence: absence from 1 class hour means 1 point subtracted from the attendance points

Make-up exams. Missing the midterm will lead to a grade of 0 except in the case of a documented illness or other documented circumstances beyond your control.

Ethical policy: All students must follow the school regulations in class. *You may work on the homework collaboratively with your friends, but the work that you hand in must be written in your own handwriting (or typed by you), in your own words, and you represent that you understand everything you wrote.*

Exceptional circumstances: Any absence from class or mid-term exam day must be notified to the teacher in advance

VII. Text books and references

*** Text Books/Lecture Notes:**

- Lecture Notes for English for Environmental Science. (2018). collected by the teacher for internal use.

*** Additional references:**

- Altieri M.A. (2002). Review Agroecology: the science of natural resource management for poor farmers in marginal environments. *Agriculture, Ecosystems and Environment* 93: 1–24.
- Barrow C.J. (2002). *Environmental management: Principles and Practices*, Taylor & Francis Group.
- Dresner, S. (2008). *The Principles of Sustainability*, Earth scan Publications, London
- Leakey R.R.B., Zac Tchoundjeu, Kate Schreckenber, Sheona E. Shackleton and Charlie M. Shackleton (2005). Agroforestry tree products (AFTPs): Targeting poverty reduction and enhanced livelihoods. *International Journal of Agricultural Sustainability*, Vol.3 (1): 1-23.

VIII. Course outline

Week	Content	Course expected learning outcomes
1	Unit 1: Useful Language for Scientific Presentation	
	<p>A/ Main contents: (3 hours)</p> <p>Theories: (1,5 hours)</p> <ul style="list-style-type: none"> 1.1 Opening 1.2. Mapping presentation 1.3 Introducing the main questions 1.4 Presenting research methods 1.5 Presenting data in tables 1.6 Presenting data in figures 1.7 Emphasizing a point 1.8 Introducing slides and making transitions 1.9 Concluding presentation 1.10 Dealing with the questions <p>Practice: (1,5 hours)</p> <ul style="list-style-type: none"> 1.11 Practice 	CELO5, CELO6
	<p>B/ Self-study contents: (9 hours)</p> <ul style="list-style-type: none"> - Exercises in coursebook, reference books 	
2,3	Unit 2: Basic Ecology	
	<p>A/ Main contents: (6 hours)</p> <p>Theories (2 hours)</p> <ul style="list-style-type: none"> 1.1 Warm up 1.2. Readings 1.3 Vocabulary 1.4 Grammar <p>Practice: (4 hours)</p> <ul style="list-style-type: none"> 1.5 Excercises <p>B/ Self-study content:(18 hours)</p> <ul style="list-style-type: none"> - Exercises in coursebook, reference books 	CELO1, CELO2, CELO3, CELO4, CELO5, CELO6
	<p>B/ Self-study content:(18 hours)</p> <ul style="list-style-type: none"> - Exercises in coursebook, reference books 	
4,5	Unit 3: Environment and Sustainable Development	
	<p>A/ Main contents: (6 hours)</p> <p>Theories: (2 hours)</p> <ul style="list-style-type: none"> 1.1 Warm up 1.2. Readings 1.3 Vocabulary 1.4 Grammar 	CELO1, CELO2, CELO3, CELO4, CELO5,

	Practice: (4 hours) 1.6 Exercises B/ Self-study content:(18 hours) - Exercises in coursebook, reference books	CELO6
6	Presentations (3 hours) Self -study: (9 hours) -Exercises in coursebook, reference books	CELO1, CELO2, CELO3, CELO5, CELO6
7,8	Unit 4: Environmental pollution	
	A/ Main contents: (6 hours) Theories: (2 hours) 1.1 Warm up 1.2. Readings 1.3 Vocabulary 1.4 Grammar Practice: (4 hours) 1.7 Exercises B/ Self-study content:(18 hours) - Exercises in coursebook, reference books	CELO1, CELO2, CELO3, CELO4, CELO5, CELO6
9,10	Unit 5: Problems in Pollution control	
	A/ Main contents: (6 hours) Theories:(2 hours) 1.1 Warm up 1.2. Readings 1.3 Vocabulary 1.4 Grammar Practice: (4 hours) 1.8 Exercises B/ Self-study content:(18 hours) - Exercises in coursebook, reference books	CELO1, CELO2, CELO3, CELO4, CELO5, CELO6

IX. Facility and other requirements:

- Classroom: 50 seats, air-conditioned, sufficient light and fans
- Teaching equipment: Projector, speaker, micro speaker, board & chalk
- Other facilities: Internet wifi
- E-learning: Students must have a computer/ laptop to study at home

X. Improvement

First: July 2016

Second: July 2017

Third: July 2018

Fouth: **July 19, 2019**

HEAD OF DEPARTMENT

(Full name and signature)

M.A Ngo Thi Thanh Tam

DEAN OF FACULTY

(Full name and signature)

Dr. Tran Nguyen Ha

Hanoi, date.....month.....year.....

LECTURER

(Full name and signature)

M.A. Nguyen Thi Hoai

PRESIDENT

(Full name and signature)

APPENDIX
LIST OF LECTURERS AND ASSISTANTS FOR THE COURSE

Lecturer

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