

LH131- ESP I

CREDIT HOURS

2 Hours

CONTACT HOURS (Hours/week)

Lecture: 3 Hrs

TEXT BOOK

- Bockner, K. and Brown, P. Charles. Oxford English for Computing; Oxford: Oxford University Press, 1996.
- Oshima, Alice. Writing Academic English, New York: Pearson Education, 2006.

COURSE DESCRIPTION

PREREQUISITE:

EC 217 - EC 432

RELATION OF COURSE TO PROGRAM

Required

COURSE INSTRUCTION OUTCOMES

The student will be able to:

- Use listening and reading strategies appropriately.
- Communicate about a variety of technical topics orally.
- Use basic computer terms and relevant general vocabulary meaningfully and accurately.
- Apply word-formation rules of prefixation and suffixation.
- Use some relevant grammatical structures.
- Apply the stages of the writing process effectively.
- Write well-structured, unified and coherent paragraphs.

TOPICS COVERED

- Orientation + Unit 1 (Personal Computing).
- Unit 1 (Personal Computing) + Unit 2 (Portable Computers).
- Unit 2 (Portable Computers).
- The process of academic writing.
- An overview of paragraph writing.
- Unit 3 (Suffixes) + Unit 4 (Programming and Languages) + Graded workshop.
- Unit 4 (Programming and Languages) + Progress Test I.
- Unity and Coherence.
- Coherence + Writing workshop.
- Unit 5 (Computer Software).
- Unit 6 (Computer Networks) + Graded workshop.
- Unit 7 (Computer Viruses) + Progress test II.

- Unit 7 (Computer Viruses).
- Unit 8 (Computers in the Office).
- Unit 8 (Computers in the Office) + General revision.

CONTRIBUTION OF COURSE TO MEET THE REQUIREMENTS OF CRITERION 5:

Professional component Content			
Math and Basic Sciences	Engineering Topics	General Education	Other
		✓	

RELATIONSHIP OF COURSE TO STUDENT OUTCOMES:

Student Outcomes		Course aspects
A	An ability to apply knowledge of mathematics, science, and engineering	
B	An ability to design and conduct experiments, analyze and interpret data.	
C	An ability to design a system, component, or process to meet desired needs within realistic constraints such as economics, environmental, social, political, ethical, health, and safety, manufacturability, and sustainability	
D	An ability to function on multi-disciplinary teams.	
E	An ability to identify, formulate, and solve engineering problems	
F	An understanding of professional and ethical responsibility	
G	An ability to communicate effectively	g ₁ g ₂ g ₃
H	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and social content	
I	A recognition of the need for, and an ability to engage in life-long learning.	
J	A knowledge of contemporary issues within and outside the electrical engineering profession.	
k	An ability to use the techniques, skills, and modern engineering tools necessary for electrical engineering practice.	