

LH132- ESP II

CREDIT HOURS

2 Hours

CONTACT HOURS (Hours/week)

Lecture: 3 Hrs .

TEXT BOOK

- Oshi 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:

LH131

RELATION OF COURSE TO PROGRAM

Required

COURSE INSTRUCTION OUTCOMES

The student will be able to:

- Use a variety of listening and reading strategies appropriately.
- Communicate about numerous technical topics orally.
- Use basic computer terms and relevant general vocabulary meaningfully and accurately.
- Apply word-formation rules of prefixation , suffixation and compounding.
- Employ a variety of relevant grammatical structures.
- Write academic essays and employment correspondence.

TOPICS COVERED

- Orientation + Unit 9 (Computers in Education).
- Unit 9 (Computers in Education).
- Paragraph writing (Concrete Support).
- Unit 10 (Computers in Medicine).
- Unit 10 (Computers in Medicine) + Essay writing (Analysis).
- Essay writing (Application) + Graded workshop.
- Unit 11 (Robotics) + Progress test I.
- Unit 11 (Robotics) + Summary writing.
- Unit 12 (Virtual Reality).
- Unit 12 (Virtual Reality) + Unit 13 (Machine Translation).
- Unit 13 (Machine Translation) + Graded workshop.
- CVs & letters of application + Progress test II.

- Interviewing skills.
- Unit 14 (Multimedia).
- Unit 14 (Multimedia) + 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.	