



15. Course Plan of Scientific English

I. - Information about Faculty Member Responsible for the Course:						
Name of Faculty Member	Abdulhameed Ashuja'a	Office Hours				
Location & Telephone No.		SAT	SUN	MON	TUE	WED
E-mail						

II. Course Identification and General Information:						
1-	Course Title:	Scientific English				
2-	Course Number & Code:	BR111				
3-	Credit hours:	C.H				Total
		Th.	Tu.	Pr.	Tr.	
		3	-	-	-	3
4-	Study level/year at which this course is offered:	Level 2/Semester 1				
5-	Pre –requisite (if any):	English UR002 and UR005				
6-	Co –requisite (if any):	None.				
7-	Program (s) in which the course is offered	Electrical Engineering				
8-	Language of teaching the course:	English				
9-	System of Study:	Semester System				
10-	Mode of delivery:	Interactive lectures				
11-	Location of teaching the course:	Faculty of Engineering				

Prepared by	Head of Department Asst. Prof. Dr. Adel Ahmed Al-Shakiri	Quality Assurance Unit Assoc. Prof. Dr. Mohammad Algorafi	Dean of the Faculty Prof. Dr. Mohammed AL-Bukhaiti	Academic Development Center & Quality Assurance Assoc. Prof. Dr. Huda Al-Emad
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III. Course Description:

This course provides students with technical terms, texts, articles, as well as verbal and written instructions related to electrical engineering. It prepares students to use these things in English language skills (speaking, listening, reading and writing) needed in real situations and related to modern Electrical engineering.

IV. Intended learning outcomes (ILOs) of the course:

1. Demonstrate knowledge and understanding of skills required to understand technical terminology related to their specialization .
2. Analyze written and oral texts required for describing devices or explaining processes .
3. Use technical terms in activities and situations related to their technical and specialized activities .
4. Write effective summaries of long texts related to their major.
5. Take notes during class and while reading references.
6. Give oral presentations about topics related to their major.
7. Discuss issues related to their major.
8. Make use of tenses, adverbs, adjectives in their writings.

V. Course Content:

- Distribution of Semester Weekly Plan Of course Topics/Items and Activities.

A – Theoretical Aspect:

No	Topics List	Sub topics	Week Due	Contact Hours
1.	Engineering Material:	Reading (scanning tables); Language Study (making definitions); Writing (adding information to a text)	1 st	2
2.	The Electric Motor:	Reading (Skimming); Language Study (Describing Functions); Writing (Describing components)	2 nd	2

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3.	Central Heating:	Reading (Predicting); Language Study (Time Clauses); Word Study	3 rd	2
4.	Safety at Work:	Reading (Understanding the Reader's Purpose); Language Study (making safety rules); Writing (ways of linking ideas)	4 th	2
5.	Washing Machines:	Reading (Reading Diagrams); Language Study (if/unless sentences); Writing (Explaining a diagram)	5 th	2
6.	Lasers:	Reading; Language Study (used to/for); Word Study (noun + noun compounds); Writing (Describing a process: sequence); Technical Reading: Laser Cutting	6 th	2
7.	Automation Technician:	Listening; Speaking Practice (Talking about specifications)	7 th	2
8.	Mid-Term Exam		8 th	2
9.	Refrigerator:	Reading (Dealing with unfamiliar words); Language Study (principles and laws); Word Study (verbs and related nouns); Writing (Describing a process: location)	9 th	2
10.	Scales:	Reading 1 (meaning from context); Reading 2 (Comparing sources); Language Study (cause and effect 1); Technical Reading (Strain Gauges)	10 th	2
11.	Portable generator:	Reading (Reading diagrams); Language Study (cause and effect 2); Word Study (verbs with –ise/-ize); Writing (Describing a process); Technical Reading (Wave power)	11 th	2
12.	Road Breaker:	Reading; Language Study (allow and present links); Writing (explaining an operation); Technical Reading (Air Skates); Speaking practice	12 th	2
13.	Staff engineer:	Listening; Language Study (verbs with on and off);	13 th	2
14.	Computer Aided Design (CAD):	Listening; Language Study: necessity: have to need (to)	14 th	2

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15.	Robotics:	Reading 1(revising skills); Reading 2 (transferring information); Language Study (concession (even if / need to)); Technical Reading (stepper motors)	15 th	2
16.	Final Exam		16 th	2
Number of Weeks /and Units Per Semester			16	32

VI. Teaching strategies of the course:

- Cooperative learning;
- Brainstorming;
- Individual and group activities and tasks;
- Pair and group discussions;
- Role-plays;
- Workshops;

VII. Assignments:

No	Assignments	Aligned CIOs (symbols)	Week Due	Mark
1.	Use technical vocabulary in meaningful sentences	a1; b1;c1; d2; d4; d5	3	2
2.	Write a short summary of discussions, texts, emails, notes, posts or instructions	a1; b1;c1; d2; d4; d5	5	2
3.	Take notes from an audio file	a1; b1;c1; d2; d3; d4	9	2
4.	Prepare for a presentation on a topic related to the student's interest	a1; b1;c1; d2; d3; d4; d5	14&15	4
Total				10

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VIII. Schedule of Assessment Tasks for Students During the Semester:					
No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1.	Quizzes	1-15	7.5	5%	a1; b1;c1; d2; d4; d5
2.	Assignments	1-15	7.5	5%	a1; b1;c1; d2; d4; d5
3.	Mid-term exam	8	30	20%	a1; b1;c1; d1;d2; d5
4.	Final Exam	16	105	70%	a1; b1;c1; d1;d2; d5
Total			150%	100%	

IX. Learning Resources:	
<ul style="list-style-type: none"> Written in the following order: (Author - Year of publication – Title – Edition – Place of publication – Publisher). 	
1- Required Textbook(s) (maximum two).	
<ol style="list-style-type: none"> Glendinning, E. & Glendinning, N. (1995). Oxford English for Electrical and Mechanical Engineering. Oxford: Oxford University Press. Ibbotson, M. (2009). Professional English in Use for Engineering. Cambridge: Cambridge University Press 	
2- Essential References.	
<ol style="list-style-type: none"> Smith, R. (.....) English for Electrical Engineering in Higher Education Studies. London: Garnet Education. 	
3- Electronic Materials and Web Sites etc.	
<ol style="list-style-type: none"> https://www.usingenglish.com/articles/how-to-teach-english-for-engineers https://busyteacher.org/16410-how-to-teach-esp-engineering-students https://www.google.com/url?sa=t&source=web&rct=j&url=https://www.ece.utoronto.ca/candadian-metric-association/20-si-prefixes 	
Other Material:	
The instructor should provide students with supplementary materials as needed.	

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X. Course Policies:	
1.	<p>Class Attendance: A student should attend not less than 75 % of total hours of the subject; otherwise he will not be able to take the exam and will be considered as exam failure. If the student is absent due to illness, he/she should bring an approved statement from university Clinic</p>
2.	<p>Tardy: For late in attending the class, the student will be initially notified. If he repeated lateness in attending class he will be considered as absent.</p>
3.	<p>Exam Attendance/Punctuality: A student should attend the exam on time. He is Permitted to attend an exam half one hour from exam beginning, after that he/she will not be permitted to take the exam and he/she will be considered as absent in exam-</p>
4.	<p>Assignments & Projects: The assignment is given to the students after each chapter; the student has to submit all the assignments for checking on time-</p>
5.	<p>Cheating: For cheating in exam, a student will be considered as failure. In case the cheating is repeated three times during his/her study the student will be disengaged from the Faculty-</p>
6.	<p>Plagiarism: Plagiarism is the attending of a student the exam of a course instead of another student. If the examination committee proved a plagiarism of a student, he will be disengaged from the Faculty. The final disengagement of the student from the Faculty should be confirmed from the Student Council Affair of the university.</p>
7.	<p>Other policies: - Mobile phones are not allowed to use during a class lecture. It must be closed, otherwise the student will be asked to leave the lecture room - Mobile phones are not allowed in class during the examination. Lecture notes and assignments my given directly to students using soft or hard copy</p>

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