

## TEMPLATE FOR COURSE SPECIFICATION (Technical English)

### HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

#### COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

1. Teaching Institution	University of Technology
2. University Department/Centre	Chemical Engineering Department
3. Course title/code	CE.111
4. Programme(s) to which it contributes	B.Sc. Chem. Eng.
5. Modes of Attendance offered	Fall
6. Semester/Year	two semesters/ First year Oil & Gas Refining Engineering Branch.
7. Number of hours tuition (total)	2
8. Date of production/revision of this Specification	6-6-2016
9. Aims of the Course	
1. To introduce and define a special knowledge and basic concepts in English language for the first year B.Sc. students in the Chemical Engineering Department.	
2. Provide the basic principles in the study of the English language including grammar, pronunciation, and way of writing sentences and scientific reports. Also study some of the passages, which include English vocabulary mainly used in the chemical engineering and the curriculum prescribed.	
3. Helping to understand the fundamental principles of the grammars in the English language and that the student needs in his academic and/or in his professional career as the information of the passages focus on studying the chemical engineer work in the factories as well as the tools and materials used.	
4. Providing the necessary means and the available facilities in order to learn the English language theoretically (to the lack of a laboratory at the moment) by means of teaching examples relevant to the daily dealing and also focus on the use of commonly words in the technical English.	

## **10• Learning Outcomes, Teaching ,Learning and Assessment Method**

### **A- Knowledge and Understanding**

- A1. Use and understand the fundamental grammars in the English language, which regards the question and answer, the negative, the tail questions, the singular and plural, the numbers, telling the date, telling the time, and definite and indefinite articles.... etc .
- A2. Explain the use of grammars correctly in English writing, and speaking such as nouns, pronouns, prepositions, conjunctions, all verb tenses, the verb (to be, to have, and to do), punctuation (such as the use of the capital letter, the question mark, and the comma), adjectives, sentences, and the active voice and the passive.
- A3. Classification of English language to the speaking, writing, listening, and reading and try to get a practice by the use of common phrases and words besides the regular and irregular verbs throughout lecturing and teaching.
- A4. Accurate description of the nature of vocabulary and idioms used by the chemical engineers in dealing with their respective fields in addition to the vocabulary of daily deal.
- A5. Knowledge about the nature of the chemical engineer job through the passages that are taught in English language and then try to the simulation that in report writing, expression, and formulate of simple sentences and complex ones.

### **B. Subject-specific skills**

- B1. Identify ways to read and write proper English language, especially in the area of Chemical Engineering and to differentiate between the use of the style of academic writing and general writing.
- B2. Choosing the correct way of Speaking and listening the vocabulary (phonetics and spelling) and the ability to rapid recognize the words that have two different meanings depending on their presence in the context of speech.
- B3. Elucidate the concepts of linguistic uses for the chemical engineer and future needs in his study and/or work and the possibility of expression and definition of devices and equipment utilized in this respective field via using the English language
- B4. Focus on the use of technical English at the heart of a chemical engineer work, such as what chemical engineers do, research and development, process design, and plant operation, which are related to his supervision and his work as an engineer in the chemical companies.

### **Teaching and Learning Methods**

The development of the student's ability to apply and arrange knowledge in the English language in order to understanding and comprehension the vocabulary, idioms, and grammars and thus become able to employ them in reading, writing and speaking appropriately without the complexity and that through lecturing and participation by training and testing (exams).

### **Assessment methods**

- Classroom discussions and identify the possibilities of the students to understand and use of the English language.
- Homework.
- Sudden exams (Quizzes).
- Midterm and final exams.

### **C. Thinking Skills**

- C1. Recognize the importance of learning and use of English as the basis for Communication and conversational.
- C2. Describe how to use the grammars of the English language in writing sentences and correct expressions.
- C3. Understand how to use the the English language and related capabilities to know the meanings of words and terms either in chemical engineering or in general.
- C4. Comprehension and understanding the levels of learning the English language pre-intermediate, intermediate, upper-intermediate, and advanced, and it includes the learning and continuous training on the use of technical English in all stages.

### **Teaching and Learning Methods**

Encourage students to develop their capabilities in the field of English language throughout lecturing and participation by the training on the use and improve the their language and conduct various tests (exams) in this topic.

### **Assessment methods**

- Classroom discussions and identify the possibilities of the students to understand and use of the English language.
- Homework.
- Quizzes.
- Midterm and final exams.
- Open questions that have a definite answer, or do not have a definite answer. about the meanings and writing sentences and phrases.

### **D. General and Transferable Skills (other skills relevant to employability and personal development).**

Develop the student's ability and encourage them to learn methods of learning the English language and modern information technology as the use of CDs in pronunciation, listening...etc.

11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
<b>1<sup>st</sup> semester</b>					
1	2 per week	A general introduction to the English language and its importance as a means of communication between different peoples around the world.	A general introduction to the English language.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions
2	2 per week	Review of the words, terms and phrases commonly used.	Review about what has been learned in a previous study of English language.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Homework
3	2 per week	Review of the simple grammars in English language, such as question and answer, the negative, the tail questions, the singular and plural, the numbers, telling the date, and telling the time.	Review about what has been learned in a previous study of English language (General Grammars).	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Quizzes
4	2 per week	Reading, writing and explain the definitions that belong to the first reading (what chemical engineers do).	Definitions related to the first reading passage.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions
5	2 per week	Study the grammars, which are related to the nouns, pronouns, the verb to be, the verb to have, the verb to do.	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Homework

6	2 per week	Read and explain the first reading passage.	The first reading passage (What chemical engineers do)	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions
7	2 per week	Study the grammars, which are related to the adjectives and regular and irregular verbs.	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Quizzes
8	2 per week	Reading and writing grammars that include short forms and words with two different meanings.	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions monthly exam
9	2 per week	Reading, writing and explain the definitions that belong to the second reading (research and development).	Definitions related to the second reading passage.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions
10	2 per week	Study the grammars, which are related to the use of So & Neither, and adverbs.	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Homework
11	2 per week	Study the grammars, which are related to the degrees of comparison.	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions

12	2 per week	Read and explain the second reading passage.	The second reading passage (Research and development)	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Quizzes
13	2 per week	Study the grammars, which are related to the conjunctions with general exercises.	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Homework
14	2 per week	Study the grammars, which are related to the kinds of letter (S) with general exercises.	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions
15	2 per week	Phonetics (consonant sounds & vowel sounds).	Phonetics & Spelling	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Monthly exam
<b>2<sup>nd</sup> semester</b>					
16	2 per week	Words and sounds that need attention in understanding the meaning and pronunciation.	Words that need watching.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions
17	2 per week	Words and sounds that need attention in understanding the meaning and pronunciation, and also the use of the prefixes (un, im, in, and dis)	Words that need watching and the use of the prefixes.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Homework
18	2 per week	Study the grammars, which are related to the use of since & for, and also the definite and indefinite articles.	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Quizzes

19	2 per week	Punctuation (such as the use of the capital letter, the question mark, and the comma....etc).	Writing up	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions
20	2 per week	Reading, writing and explain the definitions that belong to the third reading passage (Process design).	Definitions related to the third reading passage.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Homework
21	2 per week	Study the grammars, which are related to the simple tenses (present, past, and future).	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions
22	2 per week	Read and explain the third reading passage.	The third reading passage (Process design)	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Quizzes
23	2 per week	Study the grammars, which are related to the continuous and perfect tenses (present, past, and future).	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions monthly exam
24	2 per week	Study the grammars within the third reading passage.	Reading and Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions
25	2 per week	Reading, writing and explain the definitions that belong to the fourth reading passage (Plant operation).	Definitions related to the fourth reading passage	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Homework



26	2 per week	Study the grammars, which are related to the active voice and the passive voice.	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions
27	2 per week	Read and explain the fourth reading passage.	The fourth reading passage (Plant operation)	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Quizzes
28	2 per week	Study the grammars within the fourth reading passage.	Reading and Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions Homework
29	2 per week	Study the grammars, which are related to the analyses of sentences, and the kinds of sentences.	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions
30	2 per week	Study the grammars, which are related to the analyses of sentences, and the kinds of sentences.	Grammars.	Encourage students through lectures on the development of their capabilities in the field of English language.	Classroom Discussions monthly exam



12. Infrastructure	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	-Lecturers - The language of chemical engineering in English, Roy V. Hughson (1979), Regents publishing company, Inc. - New headway plus (English Course), Liz & John Soars (2014), Oxford University press. -New headway English Course, Liz & John Soars (upper- intermediate) Oxford University press. -Life Lines workbook, Tom Hutchinson (Pre-intermediate and intermediate level), Oxford University press. - English in a simplified way, Tahir Al-Bayati (1991), Baghdad.
Special requirements (include for example workshops, periodicals, IT software, websites)	<a href="http://www.uotechnology.edu.iq/dep-chem-eng/LECTURE/1Y/B/English.pdf">http://www.uotechnology.edu.iq/dep-chem-eng/LECTURE/1Y/B/English.pdf</a>
Community-based facilities (include for example, guest Lectures , internship , field studies)	

13. Admissions	
Pre-requisites	program of study (syllabus) focuses on in-depth understanding, and comprehending the English language in order to allow the student to use it in his future academic study in chemical engineering, and that is why the student should be pass in the baccalaureate examination in English language and should also be able to simplified communicate in English before study this English course.
Minimum number of students	Central Admission
Maximum number of students	Central Admission