



## *Al-Ayen University / Petroleum Engineering College*

### Template of Course Specification

**Name and Scientific title of the subject instructor: Msc. Asmaa.A. Alghazi**

**Name of Course: Technical English 3**

#### Course Specification

1.	<b>Teaching Institution</b>	<b>Al-Ayen University / Petroleum Engineering College</b>
2.	<b>University Department / Center</b>	Petroleum Engineering College
3.	<b>Course Title / Code</b>	Technical English 3
4.	<b>Program(s) to which it contributes</b>	B.Sc.
5.	<b>Modes of Attendance offered</b>	Class attendance
6.	<b>Semester/Year</b>	1 <sup>st</sup> and 2 <sup>nd</sup> , 2022-2023
7.	<b>Number of hours tuition (total)</b>	45
8.	<b>Date of production/revision of this Specification</b>	15.Oct. 2022
9.	<b>Aims of the Course:</b> The students will know and develop their vocabulary and grammar to increase their knowledge of the following petroleum technical topics :	
	1	Health , safety and Environment (HSE)
	2	Introduction of Petroleum Engineering
	3	Oil Companies
	4	Oil formation
	5	Geophysics Methods in Petroleum Exploration.
	6	Oil Exploration Methods.
	7	Oil Extraction.
	8	Reservoir Rock Properties.
	9	Formation Evaluation.
	10	Life of a well .
	11	Types Of Wells.
	12	Introduction of Drilling .
	13	Casing & Cementing
	14	Pipeline Construction.
	15	Oil Storage.
	16	Oil Refinery
	17	Impact of Mining and oil Extraction on the Environment
	18	Impact of Chemical Elements on Human Organism
	19	The Economy of Petroleum Industry.



20	Production & Costs
10.	<b>Learning Outcomes, Teaching, Learning and Assessment Methods</b>
A	<b>Knowledge and understanding:</b> Learning the vocabulary and Grammars for different subjects of petroleum engineering , focus on developing academic / professional language proficiency and developing the communicative language between the students .
B	<b>Subject-specific skills:</b> The student will have sufficient skills to communicate and technically and academically with professors and professional workplace .
C	<b>Assessment methods:</b> - Homeworks -quizzes - monthly exams, -and final exams.
D	<b>Affective and value goals:</b> - Academic honesty in duties and not use cheating. To have overlook about the new technologies which linked with course subjects.
E	<b>Teaching and Learning Methods:</b> -Lectures -Discussion ,dialogues and questions -Group tasks
F	<b>General and rehabilitative transferred skills (other skills relevant to employability and personal development:</b> -Encouraging teamwork and self-confidence to accomplish tasks better. -Encouraging creativity, innovation, and modernization.

11. Course Structure					
Week	Hours	Required Teaching Outputs	Unit/Module or Topic Title	Teaching Methods	Assessment Methods
1.	2	Student will understand	Health, safety and Environment (HSE)	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
2.	2	Student will understand	Introduction of Petroleum Engineering	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
3.	2	Student will understand	Oil Companies	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.



4.	2	Student will understand	Oil formation	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
5.	2	Student will understand	Geophysics Methods in Petroleum Exploration.	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
6.	2	Student will understand	Oil Exploration Methods.	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
7.	2	Student will understand	Oil Extraction.	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
8.	2	Student will understand	Reservoir Rock Properties.	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
9.	2	Student will understand	Formation Evaluation.	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
10.	2	Student will understand	Life of a well .	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
11.	2	Student will understand	Types Of Wells.	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
12.	2	Student will understand	Introduction of Drilling .	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
13.	2	Student will understand	Casing & Cementing	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
14.	2	Student will understand	Pipeline Construction.	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
15.	2	Student will understand	Oil Storage.	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
16.	2	Student will	Oil Refinery	Class	Homeworks



		understand		attendance	,quizzes,monthly exams, and final exams.
17.	2	Student will understand	Impact of Mining and oil Extraction on the Environment	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
18.	2	Student will understand	Impact of Chemical Elements on Human Organism	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
19.	2	Student will understand	The Economy of Petroleum Industry.	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.
20.	2	Student will understand	Production & Costs	Class attendance	Homeworks ,quizzes,monthly exams, and final exams.

<b>12.</b>	<b>Infrastructure</b>
<b>Required reading:</b> ·CORE TEXTS ·COURSE MATERIALS · OTHER	<ul style="list-style-type: none"> <li>• Petroleum Engineering Teachers Book Л.М. Болсуновской, Р.Н. Абрамовой, И.А. Матвеевко.</li> <li>• Technical English , David Bonamy.</li> </ul>
<b>Community-based facilities) include for example, guest Lectures, internship, field studies)</b>	Scientific collaboration with other academic staff in the relevant field is one of our future plan to develop the program.

<b>13.</b>	<b>Admissions</b>
<b>Pre-requisites</b>	
<b>Minimum number of students</b>	10
<b>Maximum number of students</b>	30