



# Course Specification

— (Bachelor)

**Course Title:** Scientific English

**Course Code:** ENGL 0120

**Program:** All

**Department:** All

**College:** Science College

**Institution:** Majmaah University

**Version:** version 1

**Last Revision Date:** 27\1\2026 by Khaled Almasood



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## A. General information about the course:

### 1. Course Identification

1. Credit hours: ( 3 )

#### 2. Course type

A.  University     College     Department     Track     Others

B.  Required     Elective

3. Level/year at which this course is offered: ( level 1 )

#### 4. Course general Description:

This course introduces students to Scientific English and aims to develop the language skills required for studying and communicating in the fields of physics, mathematics, biology, chemistry, and related scientific disciplines in English. Emphasis is placed on the appropriate use of English in formal academic and scientific contexts. Through integrated practice in reading, writing, listening, and speaking, students will develop core scientific vocabulary, grammatical structures, and discourse conventions commonly used in introductory science courses. The course is designed to enhance students' ability to communicate scientific information clearly, accurately, and confidently in academic study and professional environments.

5. Pre-requirements for this course (if any):

NA

6. Pre-requirements for this course (if any):

NA

#### 7. Course Main Objective(s):

**By the end of the course, students should be able to:**

- To enhance students' written communication skills through guided practice in producing descriptions, reports, and other discipline-specific scientific texts.
- To develop students' spoken interaction and oral production skills through structured practice and the delivery of presentations on science-related topics.
- To expand students' knowledge and use of core scientific terminology required for the study of physics, mathematics, biology, chemistry, and computer science in English.
- To improve grammatical and lexical range and accuracy to support clearer, more fluent, and more effective communication in academic and scientific contexts.

2. Teaching mode (mark all that apply)





No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	3	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> <li>• Traditional classroom</li> <li>• E-learning</li> </ul>		
4	Distance learning		

### 3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	45
2.	Laboratory/Studio	
3.	Field	
4.	Tutorial	
5.	Others (specify)	
<b>Total</b>		<b>45</b>

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
<b>1.0</b>	<b>Knowledge and understanding</b>			
1.1	Recognize and recall basic scientific terminology relevant to the discipline	K1	<ul style="list-style-type: none"> <li>• Lectures.</li> <li>• Discussions.</li> <li>• Cooperative learning</li> </ul>	<ul style="list-style-type: none"> <li>- Faculty developed exams and assignments</li> <li>-Midterm and final exams</li> </ul>
1.2	Comprehend discipline -specific vocabulary in spoken academic English (e.g., lectures, videos).	K1	<ul style="list-style-type: none"> <li>• Lectures.</li> <li>• Discussions.</li> <li>• Cooperative learning</li> </ul>	<ul style="list-style-type: none"> <li>- Faculty developed exams and assignments</li> <li>-Midterm and final exams</li> </ul>
1.3	Explain essential scientific concepts	K2	Lecture	Homework Exams, Quiz





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	using appropriate terminology.		-Exercises	
<b>2.0</b>	<b>Skills</b>			
2.1	Articulate scientific terms orally with correct pronunciation.	S1	Lectures. - Online Discussion -Communicative drills.	-Participation. -Homework. -Midterm and final exams. -Tasks/Written Assignments.
2.2	Write scientific texts that are accurate in both language and content	S2	-Communicative exercises.	-Assignments. Exams
<b>3.0</b>	<b>Values, autonomy, and responsibility</b>			
3.1	Work in teams to perform tasks effectively	V1	Lectures	Homework, Classwork
3.2	Show responsibility in submitting original work that adheres to academic integrity standards	V2	Lectures	Homework, Classwork

### C. Course Content

No	List of Topics	Contact Hours
1.	English for Science: Elementary Level — Unit 1	3
2.	English for Science: Elementary Level — Unit 2	3
3.	English for Science: Elementary Level — Unit 3	3
4.	English for Science: Elementary Level — Unit 4	3
5.	English for Science: Elementary Level — Unit 5	3
6.	English for Science: Elementary Level — Unit 6	3
7.	English for Science: Elementary Level — Unit 7	3
8.	<b>Mid-term 1</b>	3
9.	English for Science: Elementary Level — Unit 8	3
10.	English for Science: Elementary Level — Unit 9	3
11.	English for Science: Elementary Level — Unit 10	3
12.	English for Science: Elementary Level — Unit 11	3





13.	English for Science: Elementary Level — Unit 12	3
14.	Mid-term 2	3
15.	Revision	3
<b>Total</b>		<b>45</b>

#### D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quiz	6 & 12	%5
2.	Midterm Exam	8 & 14	%40
3.	Assignments	All the way through	%5
4.	participation/ presentations/ reflections	All the way through	%10
5.	Final Exam	17-18	%40
<b>Total</b>			<b>%100</b>

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

#### E. Learning Resources and Facilities

##### 1. References and Learning Resources

<b>Essential References</b>	Mazyad, Suleiman Saleem. <i>English for Science: Elementary Level</i> (3rd Ed.). 2004. (146 pp.). (ISBN 9786030035397).
<b>Supportive References</b>	Scientific English as a Foreign Language. NancyA.BurnhamandFrederickL.Hutson
<b>Electronic Materials</b>	<a href="https://www.nature.com/scitable/ebooks/english-communication-for-scientists-14053993/contents/">https://www.nature.com/scitable/ebooks/english-communication-for-scientists-14053993/contents/</a>
<b>Other Learning Materials</b>	

##### 2. Required Facilities and equipment

Items	Resources
<b>facilities</b> (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom, 30 to 40 chairs for 40 students, smart boards and whiteboards. The course book is online and all the materials given to the students are available electronically
<b>Technology equipment</b> (projector, smart board, software)	Smart board · Laptops · Overhead Projector · TVs
<b>Other equipment</b> (depending on the nature of the specialty)	Digital content. Video. Audio tracks



## F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	students	Indirect "Students' academic experience evaluation" questionnaire done by the students at the end of each term. - "Program evaluation" questionnaire done by the students at the end of each term.
Effectiveness of Students assessment	Measuring of learning outcome unit	Direct – systemic tools
Quality of learning resources	Students and teacher	Indirect "Course evaluation" questionnaire done by the students on the university portal at the end of each term.
The extent to which CLOs have been achieved	Coordinators English department coodantoi	Direct Observations (form )
Other	coordinators	Direct Observations (form )

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

<b>COUNCIL /COMMITTEE</b>	Acting English Department Coordinator: Khaled Almasood
<b>REFERENCE NO.</b>	
<b>DATE</b>	27\1\2026

