

Republic of Yemen

Ministry of Higher Education & Scientific Research

Council of Academic Accreditation & Quality Assurance of Higher
Education (CAQA)

21 September University of Medical and applied Sciences



Program **A**nesthesia **T**echnician

Faculty of Applied Medical Sciences

Course Specification of
Medical terminology
Course Code. (04 01815)

2024



T4: This Template is Developed and Approved by CAQA-Yemen, 2023

Prepared by:

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Reviewed by:

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Dr : Fares Mahdi

Quality Unit:

Dr:Houri AlSabri . DrAbdulsalam Dallak

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Template for Course Specification

I. Course Identification and General Information:				
1	Course Title:	Medical Terminology		
2	Course Code & Number:	(04 01815)		
3	Credit Hours	Theory Hours	Credit Hours Lecture Exercise	Lab. Hours
		2	2 --	--
4	Study Level/ Semester at which this Course is offered:	Level1\term1		
5	Pre –Requisite (if any):	None		
6	Co –Requisite (if any):	None		
7	Program (s) in which the Course is Offered:	Bachelor of Anesthesia Technician		
8	Language of Teaching the Course:	English		
9	Study System:	Semester Based System		
10	Mode of Delivery:	Full Time		
11	Location of Teaching the Course:	Faculty of Applied Medical Sciences		
12	Prepared by:	Dr. Abdulsalam Mohammed Dallak		
13	Date of Approval:	2024		

II. Course Description:

Medical Terminology is designed to prepare the students to pronounce, define, analyze and comprehend the medical language. It introduces them to the vocabulary, abbreviations, and symbols used in health care settings. Emphasis is placed on building medical terms using prefixes, suffixes,

and word roots.

III. Course Intended Learning Outcomes (CILOs) : (مخرجات تعلم المقرر)		Referenced PILOs (مخرجات تعلم البرنامج)	
A. Knowledge and Understanding: Upon successful completion of the course, students will be able to:			
a1	Identify the basic structure of medical words, including prefixes, suffixes, roots, combining forms, and plurals.	A3	. . Recognize the full details about the basic physics and its applications in anesthesia, the equipment's and apparatus in anesthesia and critical care unit.
a2	Identify the rules of building medical terms and a connection between the term and its relationship to body systems.	A4	..Demonstrate knowledge of the basic general pharmacodynamics and pharmacokinetics of drugs at all age groups and the pharmacology of all anaesthetic drugs including inhalational, intravenous, muscle relaxants and local anaesthetics as well as sedatives and hypnotics.
B. Intellectual Skills: Upon successful completion of the course, students will be able to:			
b1	Construct medical terms correctly using the rules of combining suffixes, prefixes, and word roots.	B1	B1. integrate assessment data to formulate anesthesia diagnosis.
b2	Analyze medical terms into their defining parts and meanings as relevant to body systems and functions.	B2	B2. Synthesize knowledge derived from, medical, anesthesia, basic sciences and humanities courses into the practice of anesthesia
C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:			

c1	Use medical terms properly to report health problems, diagnosis, procedures and treatment.	C1	Perform an approach to the assessment of risk and need for consultation for an anesthetics, identify appropriate laboratory investigations,
c2	Write terms for selected structures of the body systems, matching them with their descriptions.	C1	Apply the skills necessary for maintaining a patent airway, manual ventilation, intubation and mechanical ventilation. and Perform the proper technique of anesthesia (general, regional or local anesthesia)
D. Transferable Skills: Upon successful completion of the course, students will be able to:			
d1	Display high degree of personal commitment, self-developing and cooperation with his colleagues.	D1	. Communicate effectively with individuals and groups and members of the health team in order to promote effective interpersonal relationships and teamwork
d2	Demonstrate analytical, communicative and professional skills related to his area of interest.	D2	. Demonstrate professional, ethical, moral, legal, and spiritual concepts into one's practice within a global environment

(A) Alignment of Course Intended Learning Outcomes (Knowledge and Understanding) to Teaching Strategies and Assessment Methods:			
Course Intended Learning Outcomes		Teaching Strategies	Assessment Strategies
a1	Identify the basic structure of medical words, including prefixes, suffixes, roots, combining forms, and plurals.	- Interactive lecture - Seminars and student presentations - Brain storming, role-play and simulation	- Assignments - Quizzes - Mid-term Exam - Final exam - Presentations

		Small group for discussing	
a2	Identify the rules of building medical terms and a connection between the term and its relationship to body systems.	- Interactive lecture - Seminars and student presentations - Brain storming, role-play and simulation - Small group for discussing	- Assignments - Quizzes - Mid-term Exam - Final exam - Presentations
Demonstrate analytical, communicative and professional skills related to his area of interest.			
		Teaching Strategies	Assessment Strategies
b1	Construct medical terms correctly using the rules of combining suffixes, prefixes, and word roots.	- Interactive lecture - Brain storming - Role-play & simulation - Small group discussions - Seminars and student presentations	- Assignments - Quizzes - Mid-term Exam - Final exam
b2	Analyze medical terms into their defining parts and meanings as relevant to body systems and functions.	- Interactive lecture - Brain storming - Role-play & simulation - Small group discussions - Seminars and student presentations	- Assignments - Quizzes - Mid-term Exam - Final exam
(C) Alignment of Course Intended Learning Outcomes (Professional and Practical Skills) to Teaching Strategies and Assessment Methods:			
	Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
c1	Use medical terms properly to report health problems, diagnosis, procedures and treatment.	- Active learning, - Small group learning. - Learning tasks and activities	- Assignments - Quizzes - Mid-term Exam - Final exam
c2	Write terms for selected structures of the body systems, matching them with their descriptions.	- Active learning, - Small group learning. - Learning tasks and activities	- Assignments - Quizzes - Mid-term Exam - Final exam
(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to Teaching			

Strategies and Assessment Methods:					
Course Intended Learning Outcomes		Teaching Strategies		Assessment Strategies	
d1	Display high degree of personal commitment, self-developing and cooperation with his colleagues.	- Classroom discussions, - Problems solving - Case study analysis		- Presentations - Case Studies - Learning activities	
d2	Demonstrate analytical, communicative and professional skills related to his area of interest.	- Classroom discussions, - Problems solving - Case study analysis		- Presentations - Case Studies - Learning activities	

IV. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CLOs)
1	Introduction	- Course objectives and design - What is medical terminology? - Features of a medical term - Parts of a medical term	1	2	a1, a2, b2,
2	Formation of Medical Term	- Formation of a medical term - Pronunciation and pluralizing rules - Defining a medical term	1	2	a1, b2
3	Suffixes	- Rules for linking suffixes - Types of suffixes - Surgical - Diagnostic - Pathological - Grammatical - Learning activities	1	2	C1, a2, b2, d1
4	Prefixes	- Features of prefixes - Rules for linking prefixes - Types of prefixes - Prefixes of position - Prefixes of number - Prefixes of measurement	1	2	a1, c2, b2, c1, d1

		- Prefixes of direction - Prefixes of color - Prefixes of time - Prefixes of size and comparison - Prefixes of negation - Other common prefixes - Learning activities			
5	Body Structure	- Levels of Organization and related terms - Anatomical Position - Planes of the Body - Body Cavities - Abdominopelvic Divisions - Quadrants - Regions	1	2	a2, b1, c2, d2
6	Body Structure	- Directional Terms - Pathology Diagnostic, Symptomatic, and Related Terms, - Diagnostic and Therapeutic Procedures - Abbreviations - Learning Activities - Medical Record Activities	1	2	a2, b1, c2, d2
7	Digestive System	- Anatomy and Physiology Key terms - Pathological and Diagnostic Terms - Surgical and Therapeutic Terms - Learning Activities - Case study Reports	1	2	a2, b1, b2, c1, c2, d1, d2
8	Mid-Term Theoretical Exam	- Mid-Term Theoretical written Exam	1	2	a1, a2, b1, b2, , d2
9	Musculoskeletal System	- Anatomy and Physiology Key terms - Pathological and Diagnostic Terms - Surgical and Therapeutic Terms - Learning Activities	1	2	, b2, c1, c2, d1, d2

		– Case study Reports			
10	Cardiovascular System	– Anatomy and Physiology Key terms – Pathological and Diagnostic Terms – Surgical and Therapeutic Terms – Learning Activities – Case study Reports	1	2	a2, b1, b2, c1, c2, d1, d2
11	Nervous System	– Anatomy and Physiology Key terms – Pathological and Diagnostic Terms – Surgical and Therapeutic Terms – Learning Activities – Case study Reports	1	2	a2, b2, c1, c2, , d2
12	Integumentary System	– Anatomy and Physiology Key terms – Pathological and Diagnostic Terms – Surgical and Therapeutic Terms – Learning Activities - Case study Reports	1	2	a2, b1, b2, d1, d2
13	Reproductive System	– Anatomy and Physiology Key terms – Pathological and Diagnostic Terms – Surgical and Therapeutic Terms – Learning Activities - Case study Reports	1	2	a2, b1, b2, c1, c2, d1, d2
14	Respiratory System	– Anatomy and Physiology Key Terms – Pathological and Diagnostic Terms – Surgical and Therapeutic Terms – Learning Activities - Case study Reports	1	2	b2, c1, c2, d1, d2
15	Urinary System	– Anatomy and Physiology Key Terms – Pathological and Diagnostic Terms – Surgical and Therapeutic Terms – Learning Activities	1	2	b1, b2, c1, c2, d1, d2

		Case study Reports			
16	Final Theoretical Exam	Final Theoretical Exam Written	1	2	c1, c2, d1, d2
Number of Weeks /and Units Per Semester			16	32	

B. Case Studies and Practical Aspect:				
No.	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	none			
Number of Weeks /and Units Per Semester				

C. Tutorial Aspect:				
No.	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	none			
Number of Weeks /and Units Per Semester				

V. Teaching Strategies of the Course:	
- Interactive lecture - Seminars and student presentations - Brain storming - Role-play and simulation - Small group discussion - Learning tasks and activities - Problems solving - Case study analysis	

VI. Assessment Methods of the Course:

- Assignments
- Quizzes
- Mid-term exam
- Final term exam

VII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Assignment 1: Students are asked to finish "Identify and Define" work sheet handed to them. The work sheet is designed to check students' mastery of constructing and analyzing medical terms.	W5	5	a1, c1
2	Assignment 2: Read the case study reports and complete the charts given below. This is intended to check students comprehending faculties to communicate about a given health problem and procedures.	W11	5	a2, b2, c2
Total			10	

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	Assignments	W5,11	10	10%	a1, b1, a2, b2, c2,
2	Quizzes 1 & 2	W3, 9	10	10%	a1, a2, b1, b2

3	Mid-Term Theoretical Exam	W7	20	20%	a1, b1, c1, d1
4	Final Theoretical Exam	W16	60	60%	a2, b2, c2, d2
Total			100	100%	

IX. Learning Resources:

- Written in the following order: Author, Year of publication, **Title**, Edition, Place of publication, Publisher.

1- Required Textbook(s) (maximum two): مثال example

- Fremgen, Bonnie F. and Frucht, Suzanne S., 2017, *Medical Terminology: A Living Language*: 78th edition, New York, Pearson.
- Gylys, Barbara A. and Wedding, Mary Ellen. 2009, *Medical Terminology Systems: A Body Systems Approach*, 6th edition, Philadelphia, F. A. Davis Company.

2- Essential References:

- C. Leonard, Peggy, 2014. *Quick & Easy Medical Terminology*, 7th edition, Elsevier.
- Chabner, Davi-Allen, 1991, *Medical Terminology: A Short Course*, 6th edition, Missouri, Saunders Elsevier Inc.

3- Electronic Materials and Web Sites etc.:

Websites:

- An Online Medical Dictionary
 1. <http://www.openmd.com>
 2. <http://www.medicinenet.com> Medterms Medical Dictionary AZ list
 3. <http://www.medic8.com/MedicalDictionary.htm>. Enter a medical term; then click on "Search" to see its definition.
- Web site providing information on health care issues, medical treatments, medications, etc.
 4. <http://www.medbroadcast.com>
- An interactive human anatomy site
 - 1- www.innerbody.com. When you click on a system, be sure to scroll down to see other links and animations.

X. Course Policies: (Based on the Uniform Students' By law (2007) تترك كما هي)

1	Class Attendance: Class Attendance is mandatory. A student is considered absent and shall be banned from taking the final exam if his/her absence exceeds 25% of total classes.
2	Tardiness: A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
3	Exam Attendance/Punctuality: No student shall be allowed to the exam hall after 30 minutes of the start time, and shall not leave the hall before half of the exam time has passed.
4	Assignments & Projects: Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.
5	Cheating: Cheating is an act of fraud that results in the cancelation of the student's exam or assignment. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
6	Forgery and Impersonation: Forgery/Impersonation is an act of fraud that results in the cancelation of the student's exam, assignment or project. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
7	Other policies: The University official regulations in force will be strictly observed and students shall comply with all rules and regulations of the examination set by the Department, Faculty and University Administration.

Bachelor of **Anesthesia Technician**

Second Part of Course Specification

Faculty of Applied Medical Sciences

Course Specification of Medical terminology Course Code. (04 01815)

2024

Course Plan (Syllabus) of Medical Terminology

Course No. (04 01815).

I. Information about Faculty Member Responsible for the Course:								
Name of Faculty Member:	Dr. Abdulsalam Mohammed Dallak							
Location& Telephone No.:	770531550							
E-mail:			SAT	SUN	MON	TUE	WED	THU
Office Hours			2					

Template for Course Plan (Syllabus)

I. Course Identification and General Information:				
1	Course Title:	Medical Terminology		
2	Course Code & Number:	(04 01815)		
3	Credit Hours	Theory Hours	Credit Hours Lecture Exercise	Lab. Hours
		2	2 --	--
4	Study Level/ Semester at which this Course is offered:	Level1\term1		
5	Pre –Requisite (if any):	None		
6	Co –Requisite (if any):	None		
7	Program (s) in which the Course is Offered:	Faculty of Applied Medical Sciences		

8	Language of Teaching the Course:	English
9	Study System:	Semester Based System
10	Mode of Delivery:	Full Time
11	Location of Teaching the Course:	Faculty of Applied Medical Sciences
12	Prepared by:	Dr. Abdulsalam Mohammed Dallak
13	Date of Approval:	2024

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III. Course Intended Learning Outcomes (CILOs) : (مخرجات تعلم المقرر)

B. Knowledge and Understanding: Upon successful completion of the course, students will be able to:

- | | |
|----|--|
| a1 | Identify the basic structure of medical words, including prefixes, suffixes, roots, combining forms, and plurals. |
| a2 | Identify the rules of building medical terms and a connection between the term and its relationship to body systems. |

B. Intellectual Skills: Upon successful completion of the course, students will be able to:

- | | |
|----|---|
| b1 | Construct medical terms correctly using the rules of combining suffixes, prefixes, and word roots. |
| b2 | Analyze medical terms into their defining parts and meanings as relevant to body systems and functions. |

C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:	
c1	Use medical terms properly to report health problems, diagnosis, procedures and treatment.
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D. Transferable Skills: Upon successful completion of the course, students will be able to:	
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d2	Demonstrate analytical, communicative and professional skills related to his area of interest.

IV. Course Contents:					
A. Theoretical Aspect:					
No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CLOs)
1	Introduction	- Course objectives and design - What is medical terminology? - Features of a medical term - Parts of a medical term	1	2	
2	Formation of Medical Term	- Formation of a medical term - Pronunciation and pluralizing rules - Defining a medical term			
3	Suffixes	- Rules for linking suffixes - Types of suffixes - Surgical - Diagnostic - Pathological - Grammatical - Learning activities	1	2	
4	Prefixes	- Features of prefixes - Rules for linking prefixes - Types of prefixes - Prefixes of position - Prefixes of number - Prefixes of measurement			

		- Prefixes of direction - Prefixes of color - Prefixes of time - Prefixes of size and comparison - Prefixes of negation - Other common prefixes - Learning activities			
5	Body Structure	- Levels of Organization and related terms - Anatomical Position - Planes of the Body - Body Cavities - Abdominopelvic Divisions - Quadrants - Regions	1	2	
6	Body Structure	- Directional Terms - Pathology Diagnostic, Symptomatic, and Related Terms, - Diagnostic and Therapeutic Procedures - Abbreviations - Learning Activities - Medical Record Activities			
7	Digestive System	- Anatomy and Physiology Key terms - Pathological and Diagnostic Terms - Surgical and Therapeutic Terms - Learning Activities - Case study Reports			
8	Mid-Term Theoretical Exam	- Mid-Term Theoretical written Exam	1	2	
9	Musculoskeletal System	- Anatomy and Physiology Key terms - Pathological and Diagnostic Terms - Surgical and Therapeutic Terms - Learning Activities	1	2	

		– Case study Reports			
10	Cardiovascular System	– Anatomy and Physiology Key terms – Pathological and Diagnostic Terms – Surgical and Therapeutic Terms – Learning Activities – Case study Reports	1	2	
11	Nervous System	– Anatomy and Physiology Key terms – Pathological and Diagnostic Terms – Surgical and Therapeutic Terms – Learning Activities – Case study Reports			
12	Integumentary System	– Anatomy and Physiology Key terms – Pathological and Diagnostic Terms – Surgical and Therapeutic Terms – Learning Activities - Case study Reports	1	2	
13	Reproductive System	– Anatomy and Physiology Key terms – Pathological and Diagnostic Terms – Surgical and Therapeutic Terms – Learning Activities - Case study Reports			
14	Respiratory System	– Anatomy and Physiology Key Terms – Pathological and Diagnostic Terms – Surgical and Therapeutic Terms – Learning Activities - Case study Reports	1	2	
15	Urinary System	– Anatomy and Physiology Key Terms – Pathological and Diagnostic Terms – Surgical and Therapeutic Terms – Learning Activities			

		Case study Reports			
16	Final Theoretical Exam	Final Theoretical Exam Written	1	2	
Number of Weeks /and Units Per Semester			9	18	

B. Case Studies and Practical Aspect:				
No.	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (C _I LOs)
1	none			
Number of Weeks /and Units Per Semester				

C. Tutorial Aspect:				
No.	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (C _I LOs)
1	none			
Number of Weeks /and Units Per Semester				

V. Teaching Strategies of the Course:	
▪ Interactive lecture ▪ Seminars and student presentations ▪ Brain storming ▪ Role-play and simulation ▪ Small group discussion ▪ Learning tasks and activities ▪ Problems solving ▪ Case study analysis	

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 5. <http://www.openmd.com>
 6. <http://www.medicinenet.com> Medtems Medical Dictionary AZ list
 7. <http://www.medic8.com/MedicalDictionary.htm>. Enter a medical term; then click on “Search” to see its definition.
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