

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



ProgramAnesthesia**Technician**

Course Specification of **Faculty of Applied Medical Sciences** **Course Code. (04 01 813)**

2024



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

Prepared by:

Dr. Abdulhameed Al - Thifani

Reviewed by:

Dr: Mohammed al qmar

Head of the Department:

Dr : Fares Mahdi

Quality Unit:

Dr:Houri AlSabri

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Abdulsalam Mohammed
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I. Course Identification and General Information:

1	Course Title:	Fundamental of Nursing I			
2	Course Code & Number:	(04 01 813)			
3	Credit Hours: 2	C.H			
		Th.	Seminar	Pr	Tr.
		4	-	4	-
4	Study Level/ Semester at which this Course is offered:	First year – first semester			
5	Pre –Requisite (if any):	None			
6	Co –Requisite (if any):	Basic science			
7	Program (s) in which the Course is Offered:	Bachelor of Anesthesia Technician			
8	Language of Teaching the Course:	English			
9	Study System:	Regular (semester)			
10	Mode of Delivery:	Full time			
11	Location of Teaching the Course:	Faculty of Applied Medical Sciences			
12	Prepared by:	Associate Prof. Abdulhameed Al-Thaifani			
13	Date of Approval:	2024			

II. Course Description:

The course concerns on the development of student's skills and practices needed in hospital setting, such as admission and discharge, vital signs, physical examination and mobility and immobility. In clinical training the course teaches infection control, hygienic measures, medication administration and wound care.

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I. 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	Explain the principles of admission and discharge, infection control and procedures and techniques of wound care.	A1	Demonstrate the concepts and principles of anesthesia and different basic and humanities courses and its applications in anesthesia practice
a2	Demonstrate understanding of health assessment, vital signs, personal hygiene, mobility and immobility and medication administration	A2	Describe normal and abnormal human behaviors, structure and function of human body and identify the basics of intensive care, medical emergencies that the anesthetist and high dependency care units and how to manage patients at risk.
B. Intellectual Skills: Upon successful completion of the course, students will be able to:			
b1	Recognize the difference between normal and abnormal assessment data, normal and abnormal vital signs through the process of critical thinking.	B1	. Interpret the basic normal anatomical structures on radiographs, C.T. scans and magnetic resonance images and readings of the standard monitors attached to the patient as well as additional monitors as central venous pressure monitoring.
C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:			
c1	Apply appropriate infection prevention practices during dressing, hygiene, admission, physical examination and medication administration	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)

c2	Implement special nursing therapy and measures in clinical setting such as: medication administration, wound care, infection control, vital signs and hygiene	C2	Perform an approach to the assessment of risk and need for consultation for an anesthetics, identify appropriate laboratory investigations, pre-medications and fasting guidelines and Set up anesthesia machine and its connections and demonstrate appropriate application and interpretation of commonly used monitors in anesthesia preoperatively
D. Transferable Skills: Upon successful completion of the course, students will be able to:			
d1	Utilizes the value of inter-professional collaborative practice, coordination and interpersonal communication skills when dealing with colleagues	D3	Conduct research to improve nursing and health services qualities by integrating theory into nursing practice

(A) Alignment Course Intended Learning Outcomes of Knowledge and Understanding to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
On the completion of the course, the students will be able to:		
Explain the principles of admission and discharge, infection control and procedures and techniques of wound care.	- Lecture - Seminar (discussion) - Role play	- Tests - Midterm & Final written examination - Case & topic presentation
Demonstrate understanding of health assessment, vital signs, personal hygiene, mobility and immobility and medication administration	- Lecture - Seminar (discussion)	- Tests - Oral examination (Viva) - Midterm & Final written examination - Case & topic presentation
(B) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
On the completion of the course, the students will be able to:		
Recognize the difference between normal and abnormal assessment data, normal and abnormal vital signs through the process of critical thinking.	- Lecture - Seminar (discussion) - Group work (cooperative Learning) - Individual work	- Tests - Oral examination (Viva) - Midterm & Final written examination - Case & topic presentation

(C) Alignment Course Intended Learning Outcomes of Professional and Practical Skills to Teaching Strategies and Assessment Strategies:		
Course ILOS	Teaching strategies	Assessment Strategies
On the completion of the course, the students will be able to:		
Apply appropriate infection prevention practices during dressing, hygiene, admission, physical examination and medication administration	▪ Seminar (discussion) ▪ Individual and group work ▪ Role play	▪ Tests ▪ Midterm & Final clinical exams
Implement special nursing therapy and measures in clinical setting such as: medication administration, wound care, infection control, vital signs and hygiene	▪ Role play ▪ Individual and group work ▪ Seminar (discussion)	▪ Tests ▪ Midterm & Final clinical exams
(D) Alignment Course Intended Learning Outcomes of Transferable Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
On the completion of the course, the students will be able to:		
Utilizes the value of inter-professional collaborative practice, coordination and interpersonal communication skills when dealing with colleagues	▪ Seminar (discussion) ▪ Individual and group work ▪ Role play	▪ Assessment of Nursing care plan ▪ Midterm & Final clinical exams
	▪ Group work ▪ Case Study ▪ Role play	▪ Evaluation of group work ▪ Evaluation of student works ▪ Observation

III. Course Intended Learning Outcomes (CILOs): (مخرجات تعلم المقرر)	
A. Knowledge and Understanding: Upon successful completion of the course, students will be able to:	
a1	Explain the principles of admission and discharge, infection control and procedures and techniques of wound care.
a2	Demonstrate understanding of health assessment, vital signs, personal hygiene, mobility and immobility and medication administration
B. Intellectual Skills: Upon successful completion of the course, students will be able to:	
b1	Differentiate between medical and surgical asepsis

b2	Recognize the difference between normal and abnormal assessment data, normal and abnormal vital signs through the process of critical thinking.
C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:	
c1	Apply appropriate infection prevention practices during dressing, hygiene, admission, physical examination and medication administration
c2	Implement special nursing therapy and measures in clinical setting such as: medication administration, wound care, infection control, vital signs and hygiene
D. Transferable Skills: Upon successful completion of the course, students will be able to:	
d1	Utilizes the value of inter-professional collaborative practice, coordination and interpersonal communication skills when dealing with colleagues

IV. Course Content:

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

A – Theoretical Aspect:

Order	Topics List	Week Due	Contact Hours
1	Hospital admission and discharge	2	8
2	Health protection and asepsis	2	8
3	Vital signs	2	8
4	Health assessment	2	8
5	Midterm exam	1	2
6	Administration of Medications	2	8
7	Hygiene	1	2
8	Mobility and immobility	1	8
9	Wounds care	2	4
	Final term exam	1	2
Number of Weeks /and Units Per Semester		16	56

B– Case Studies and Practical Aspect:

Order	Topics List	Week Due	Contact Hours
1	- Admission & discharge	2	4
2	Asepsis - Hand washing & hand antisepsis - Donning sterile gloves & gown	2	4

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3	Measure Vital signs - Temperature - Pulse - Respiration - BP	2	4
4	- Head to toes examination	1	2
5	- Midterm exam	1	2
6	Hygiene - Oral hygiene: - Hair shampoo - Bed bath - Partial bath	2	4
7	Medication Administration - ID Medication - SC Medication - IM Medication - Venipuncture - IV Canula	3	6
8	Mobility - Maintaining body alignment: - Positioning - Moving - Lifting	1	2
9	- Wound care	1	2
10	Final exam	1	2
Number of Weeks /and Units Per Semester		16	32

V. Teaching strategies of the course:

- Lecture
- Seminar (Discussions)
- Role Plays
- Tutoring & facilitating
- Laboratory work

VI. Assessment Methods of the Course:

- Assignment

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- First clinical exam
- Midterm exam
- Log book
- Internal Practical Exam (Oral & Practical)

VII. Assignments:

No	Assignments	Aligned CILOs (symbols)	Week Due	Mark
1	Presentation on (infectious diseases)	a1, b1, c1, c2, d1	10 th Week	5
2	Visits CSSD write observation report	a1, b1, c1, c2, d1	12 th Week	5

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	Assignment	5 th - 12 th week	10	10%	c1, c2, d1
2	First clinical exam	4 th week	10	10%	c1, c2, d1
3	Midterm exam	7 th Week	20	20%	c1, c2, d1
4	Log book	2 nd -13 th Week	20	20%	c1, c2, d1
5	Internal Practical Exam (Oral & Practical)	14 th Week	40	40%	c1, c2, d1
	Total		100	100%	

Clinical part

Assessment	Type of Assessment Tasks	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Assignment	5 th - 12 th week	10	10%	c1, c2, d1

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2	First clinical exam	4 th week	10	10%	a1, b1, c1, c2, d1
3	Midterm exam	7 th Week	20	20%	a1, a2, b1, b2, c1, c2, d1
4	Log book	2 nd -13 th Week	20	20%	a1, a2, b1, b2, c1, c2,
5	Internal Practical Exam (Oral & Practical)	14 th Week	40	40%	a1, a2, c1, c2, d1
	Total		100	100%	

IX. Learning Resources:

1- Required Textbook(s)	
	1. Kozier and Erb's (2018) FUNDAMENTALS OF NURSING Concepts, Process and Practice 4th Ed Australian, New York, Addison Wesley Longman 2. Taylor's (2019). Clinical Nursing Skills A Nursing Process Approach 4th Ed. LWW
2- Essential References.	
	1. Brunner & Suddarth's (2018). Textbook of Medical-Surgical Nursing 14th Ed 2018. Philadelphia, Lippincott – Wilkins & Wilkins. 2. Perry & Potter (2020). Fundamentals of Nursing-Elsevier 10th Ed 3. Lippincott (2019). Manual Of Nursing Practice 11th Ed 4. Concept Based Clinical Nursing Skills (2020). Fundamental to Advanced 1st Ed
3- Electronic Materials and Web Sites etc.	
	1. www.ANA.com 2. www.ASCO.com

X. Course Policies:

1.	Class Attendance: - At least 75 % of the course hours should be attended by the student. - Student will not be allowed to attend the final exam if the absenteeism reached 25% of the course.
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2.	Tardy: - Any student who is late for more than 15 minutes from starting the lecture with accepted apology will be allowed to attend the lecture for one time only. - Any student who is late for the second time will not be allowed to attend the lecture and will be considered absent.
3.	Exam Attendance/Punctuality: - Each student should attend the exam at the exact time - Any student who is late for more than 30 minutes from starting the exam will not be allowed to attend the exam and will be considered absent - Student is allowed to leave the exam area only after passing the half of exam time
4.	Assignments & Projects: - Assignments and projects will be assessed individually unless the teacher request for group work - Assignments and projects will be presented according to time schedules, - Assignments and projects will not be accepted after 2 weeks of the allocated time, if the cause of late is not accepted by the teacher
5.	Cheating: - Cheating by any means will cause the student failure and he/she must re-study the course
6.	Plagiarism: - Cheating is not accepted under any situation, and penalty will be used - Cheating in one course will cause the student to fail in two courses - Plagiarism by any means will cause the student failure in the course. - Other disciplinary procedures will be according to the college rules
7.	Other policies: - Respect human dignity of the student, and his/her thoughts, & opinions - Any unaccepted behavior from the student, will be dealt accordingly

Second Part of Course Specification

Bachelor Program of Applied Medical Sciences Program of

Course Specification of Fundamental of nursing I Course Code. (04 01 813) 2024

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Course Plan (Syllabus) of
Course No. (04 01 813)

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member:	Associate Prof. Abdulhameed Al-Thaifani						
Location & Telephone No.:	775390533						
E-mail:		SAT	SUN	MON	TUE	WED	THU
Office Hours							
I. Course Identification and General Information:							
1	Course Title:	Fundamental of Nursing I					
2	Course Code & Number:	(04 01 813)					
3	Credit Hours: 2	C.H				TOTAL	
		Th.	Seminar	Pr	Tr.		
		4	-	4	-	6	
4	Study Level/ Semester at which this Course is offered:	First year – first semester					
5	Pre –Requisite (if any):	None					
6	Co –Requisite (if any):	Basic science					
7	Program (s) in which the Course is Offered:	Bachelor degree Faculty of Applied Medical Sciences					
8	Language of Teaching the Course:	English					
9	Study System:	Regular (semester)					
10	Mode of Delivery:	Full time					
11	Location of Teaching the Course:	Faculty of Applied Medical Sciences					
12	Prepared by:	Associate Prof. Abdulhameed Al-Thaifani					
13	Date of Approval:	2024					

Prepared by:

Dr. Abdulhameed Al-Thaifani

Reviewed by:

Dr Fares Mahdi

Head of the Department:

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I. Course Description:

The course concerns on the development of student's skills and practices needed in hospital setting, such as admission and discharge, vital signs, physical examination and mobility and immobility. In clinical training the course teaches infection control, hygienic measures, medication administration and wound care.

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

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

- | | |
|----|--|
| a1 | Explain the principles of admission and discharge, infection control and procedures and techniques of wound care. |
| a2 | Demonstrate understanding of health assessment, vital signs, personal hygiene, mobility and immobility and medication administration |

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

- | | |
|----|---|
| b1 | Differentiate between medical and surgical asepsis |
| b2 | Recognize the difference between normal and abnormal assessment data, normal and abnormal vital signs through the process of critical thinking. |

C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:

- | | |
|----|---|
| c1 | Apply appropriate infection prevention practices during dressing, hygiene, admission, physical examination and medication administration |
| c2 | Implement special nursing therapy and measures in clinical setting such as: medication administration, wound care, infection control, vital signs and hygiene |

D. Transferable Skills: Upon successful completion of the course, students will be able to:

- | | |
|----|---|
| d1 | Utilizes the value of inter-professional collaborative practice, coordination and interpersonal communication skills when dealing with colleagues |
|----|---|

XI. Course Content:

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

A – Theoretical Aspect:

Order	Topics List	Week Due	Contact Hours
1	Hospital admission and discharge	2	8
2	Health protection and asepsis	2	8
3	Vital signs	2	8

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4	Health assessment	2	4
5	Midterm exam	1	2
6	Administration of Medications	2	8
7	Hygiene	1	4
8	Mobility and immobility	1	8
9	Wounds care	2	8
	Final term exam	1	2
Number of Weeks /and Units Per Semester		16	60

B– Case Studies and Practical Aspect:			
Order	Topics List	Week Due	Contact Hours
1	- Admission & discharge	1	2
2	Asepsis - Hand washing & hand antisepsis - Donning sterile gloves & gown	2	4
3	Measure Vital signs - Temperature - Pulse - Respiration - BP	2	4
4	- Head to toes examination	1	2
5	- Midterm exam	1	2
6	Hygiene - Oral hygiene: - Hair shampoo - Bed bath - Partial bath	2	4
7	Medication Administration - ID Medication - SC Medication - IM Medication - Venipuncture - IV Canula	4	8
8	Mobility - Maintaining body alignment: - Positioning - Moving - Lifting	1	2

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9	- Wound care	1	2
10	Final exam	1	2
Number of Weeks /and Units Per Semester		16	32

XII. Teaching strategies of the course:

- Lecture
- Seminar (Discussions)
- Role Plays
- Tutoring & facilitating
- Laboratory work

Lectures (Traditional)

Case-Based Learning

Simulation-Based Learning

Skill Labs

Problem-Based Learning (PBL)

Flipped Classroom

- **Peer Teaching and Group Work**

XIII. Assessment Methods of the Course:

- Assignment
- First clinical exam
- Midterm exam
- Log book
- Internal Practical Exam (Oral & Practical)

Exams (Formative and Summative)

Objective Structured Clinical Examination (OSCE)

Simulation-Based Assessment

Clinical Rotations/Practicum

Reflective Journals/Portfolios

Peer and Self-Assessment

Oral Presentations

- **Examples**

XIV. Assignments:

No	Assignments	Aligned CILOs (symbols)	Week Due	Mark
1	Presentation on (infectious diseases)	a1, b1, c1, c2, d1	10 th Week	5
2	Visits CSSD write observation report	a1, b1, c1, c2, d1	12 th Week	5

XV. Schedule of Assessment Tasks for Students during the Semester:

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Assignment	5 th - 12 th week	10	10%	c1, c2, d1
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Clinical part

Assessment	Type of Assessment Tasks	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Assignment	5 th - 12 th week	10	10%	c1, c2, d1
2	First clinical exam	4 th week	10	10%	a1, b1, c1, c2, d1
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4	Log book	2 nd -13 th Week	20	20%	a1, a2, b1, b2, c1, c2,
5	Internal Practical Exam (Oral & Practical)	14 th Week	40	40%	a1, a2, c1, c2, d1
	Total		100	100%	

XVI. Learning Resources:

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3- Electronic Materials and Web Sites etc.	
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