



Republic of Iraq
Ministry of higher education & scientific research
Supervision and scientific evaluation directorate
Quality assurance and academic accreditation



Program Specification For The Academic

University: Northern Technical University

College: College of Health and Medical Technology

Department: Renal Dialysis Technique

Date of form completion: 9/1/2024

Prof. Dr. Mohammed Y. Noorallden

Dean's Name

Date: / /

Dr. Wafa. M. Jasim

Head of Department

Date: 9 / 1 / 2024

Dean's Assistant Scientific for Scientific affairs

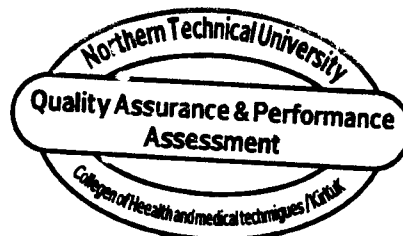
Assist.Prof.Dr. Lezan Medhat Mohammed
2024 / 1 / 11

Dr. Ayoub Ali Hussein

Quality Assurance and University performance manager

Date: / / **Signature**

11/1/2024



Template for Programme Specification

Programme Specification

This Programme Specification provide a concise summary of the features of the programme 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 is supported by a specification for each course that contributes to the programme.

Northern Technical University/Health and Technical College/Kirkuk	1.Teaching Institution
Renal Dialysis Techniques	2.University Department/Centre
Bachelor of Renal Dialysis Technique	3. Programme Title
Bachelor of Renal Dialysis Technique	4. Title of Final Award
Annual	5. Modes of Attendance offered
Ministry of Higher Education \$ Scientific Research	6. Accreditation
Non	7. Other external influences
9/1/2024	8. Date of production of this specification

9. Aims of the Programme

The department aims to graduate a cadre with the ability to work in renal diaylsis units and private clinics with an daylsis unites specialty who hold bachelor's and master's degrees and who have the ability to perform the dialysis process for a dialysis patient and follow up on the progress of the process, as well as how to connect the patient to the dialysis machine in the correct way.

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Knowledge and Understanding

- A1. Performing hem dialysis for the patient.
- A2. Follow up on the patient during the washing process.
- A3. Monitoring side complications during the washing process.
- A4. Accompanying the doctor during his morning walk to follow up on the patient's clinical condition.
- A5. Knowing the basic analyzes before performing the washing process.

B. Subject-specific skills

B1. He connects the patient to the washing machine (dialysis).

B2. Use the correct solutions for washing

B3. Read the analyzes correctly

Teaching and Learning Methods

educational material with online interaction, with place Classroom methods), Scientific Films, Teaching Videos, hospitals, Trainee and summer internship, Graduation projects

Assessment method

Daily, Monthly, Final examination and weekly reports

C. Thinking Skills

C1. A acquires the concepts and basics of dialysis.

C2. Analyzing the problems facing its employees and how to develop the necessary solutions.

C3. Working in a team spirit among different cadres.

C4. Accommodating the suffering of patients and alleviating their pain.

Teaching and Learning Methods

Educational material with online interaction, with place Classroom methods), Scientific Films, Teaching Videos, Laboratories, Trainee and summer internships, and Graduation projects.

Assessment methods

Daily, Monthly, Final examination and weekly reports

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

D1. Cooperation skills and teamwork.

D2. Computer typing skills.

D3. English communication skills.

D4. Skills to perform work and solve problems.

D5. Internet incident skills

Teaching and Learning Methods

Educational material with online interaction, with place Classroom methods), Scientific Films, Teaching Videos, hospitals, Trainee and summer internships, and Graduation projects.

Assessment Methods

Daily, Monthly, Final examination and weekly reports

12. Awards and Credits	11. Programme Structure			
	Credit rating	Course or Module Title	Course or Module Code	Level/Year
Bachelor Degree Requires (x) credits	Non	Non	Non	Non

13. Personal Development Planning

Developmental and qualification courses to work in specialized centers.

- Training courses to work on the dialysis machine with advanced cadres.
- Conducting scientific studies and research specialized in the field of dialysis.
- Attending specialized scientific discussions.
- Correspondence and self-education.

14. Admission criteria

- High school section
- The average degree

15. Key sources of information about the programme

Methodological books.

- Additional sources such as the digital library and (internet) sources
- Scientific articles with specific specialization
- The library inside the college
- scientific messages

Curriculum Skills Map																						
Please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed																						
Programme Learning Outcomes																						
General and Transferable Skills relevant to employability and personal development				Thinking Skills				Subject-specific skills				Knowledge and understanding				Core (C) Title or Option (O)	Course Title	Course Code	Year / Level			
D 4	D 3	D 2	D 1	C 4	C 3	C 2	C 1	B 4	B 3	B 2	B 1	A 4	A 3	A 2	A 1							
P			L	L		P	T	L	B			T	T		B	Funda mental	Hu man rights	A1	First			
R		T		R		R			P			T			T	Accesso ry	English	A2				
R		P				P		T				L	B	L	T	Funda mental	Microbiol ogy	B1	Second			
B		L		T									P	B	T	Accesso ry	Comput er	B2				
	T					L		R				S		B	T	Funda mental	Medical terminol ogy	C1	Thir d			
J	P			T				P				B		P	T	Accesso ry	General chemistr y	C2				
J	T							L				B		L	T	Funda mental	Histolog y	D1	Forth			
													B	L	T	Accesso ry	Human physiolo gy	D2				

B/ Book

T/ Theory

P/Practical

R/Report

S/Seminar

L/Lab.

J/Project

Template for Course Specification

Course Specification

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

Ministry of higher education & scientific research	1. Teaching Institution
Northern Technical University	2. University Department/Center
3. Course title/code	
4. Programme (s) to which it contributes	
5. Modes of Attendance offered	
2023-2024	6. Semester/Year
7. Number of hours tuition(total)	
9/1/2024	8. Date of production/revision of this specification

9. Aims of the Course

The department aims to graduate a cadre with the ability to work in renal dialysis units and private clinics with dialysis unit specialty who hold bachelor's and master's degrees and who can perform the dialysis process for a dialysis patient and follow up on the progress of the process, as well as how to connect the patient to the dialysis machine in the correct way.

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Knowledge and Understanding

- A1. Performing hem dialysis for the patient.
- A2. Follow up on the patient during the washing process.
- A3. Monitoring side complications during the washing process.
- A4. Accompanying the doctor during his morning walk to follow up on the patients' clinical condition.
- A5. Knowing the basic analyzes before performing the washing process.

B. Subject-specific skills

B1. He connects the patient to the washing machine (dialysis).

B2. Use the correct solutions for washing.

B3. Read the analysis correctly.

Teaching and Learning Methods

Educational material with online interaction, with place Classroom methods), Scientific Films, Teaching Videos, hospitals, Trainee and summer internships, and Graduation projects.

Assessment methods

Daily, Monthly, Final examination and weekly reports.

C. Thinking Skills

C. Thinking Skills.

C1. Acquires the concepts and basics of dialysis.

C2. Analyzing the problems facing its employees and how to develop the necessary solutions.

C3. Working in a team spirit among different cadres.

C4. Accommodating the suffering of patients and alleviating their pain.

Teaching and Learning Methods

Educational material with online interaction, with place Classroom methods), Scientific Films, Teaching Videos, hospitals, Trainee and summer internship, Graduation projects.

Assessment methods

Daily, Monthly, Final examination and weekly reports.

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

D1. Cooperation skills and teamwork.

D2. Computer typing skills.

D3. English communication skills.

D4. Skills to perform work and solve problems.

D5. Internet incident skills.

11. Course Structure

Assessment Method	Teaching Method	Unit/Module or Topic Title	ILOs	Hours	Week
Non	Non	Non	Non	Non	Non

12. Infrastructure

Non	Required reading: <ul style="list-style-type: none">•Sufficient learning room.•Sufficient staff.•Sufficient specific laboratories.
workshops	Special requirements (include for example workshops, periodicals, IT software, websites).
Summer training , quits lechers	Community-based facilities (include for example, quest, lectures, internship, field studies).

13. Admissions

Higher school number	Per-requisites
30	Minimum number of students

المستوى الأول

نوع المتطلب	اسم المقرر		عدد الساعات النظرية	عدد الساعات العملية	عدد الوحدات	طريقة التعليم	طريقة التقييم
	باللغة العربية	باللغة الانكليزية					
متطلبات معرفية	اللغة الانكليزية (اجباري)	English Language	2	-	2	محاضرات نظرية وعملية	يومي وفصلي ونهائي
	رياضة او فرنسي (اختياري)	Sports Or French Language	1 2	1 -	2	محاضرات نظرية وعملية	يومي وفصلي ونهائي
	اللغة الانكليزية (اجباري)	English Language	2	-	2	محاضرات نظرية وعملية	//
المجموع					6	النسبة	13.3%
متطلبات الكلية	مبادئ الحاسوب (اجباري)	Computer principles	1	2	2	//	//
	حقوق الانسان (اجباري)	Human rights	2	-	2	//	//
	اللغة العربية ((اجباري))	Arabic Language	2	-	2	//	/
	تطبيقات الحاسوب (اجباري)	Computer applications	1	2	2	/	//
	الديمقراطية (اجباري)	Democracy	2	-	2	//	//
المجموع					10	النسبة	22.2%
متطلبات القسم	مصطلحات طبية (اجباري)	Medical terminology	2	-	2	محاضرات نظرية وعملية	//
	الكيمياء العامة (اجباري)	General chemistry	2	3	3	محاضرات نظرية وعملية	//
	علم الاحياء العام (اجباري)	General biology	2	3	3	محاضرات نظرية وعملية	//
	الفسلجة البشرية (اجباري)	Human physiology	2	3	3	//	يومي وفصلي ونهائي
	علم الانسجة العام (اجباري)	General Histology	2	3	3	//	يومي وفصلي ونهائي
	اساسيات الكيمياء الحياتية (اجباري)	Biochemistry basics	2	2	3	محاضرات نظرية وعملية	يومي وفصلي ونهائي
	تشرح عام (اجباري)	General anatomy	2	3	3	محاضرات نظرية وعملية	//
	علم الاحياء البشري (اجباري)	Human biology	2	3	3	//	يومي وفصلي ونهائي
	الفسلجة السريرية (اجباري)	Clinical physiology	2	3	3	//	//
	مبادئ التمريض (اجباري)	Principles of nursing	2	3	3	//	//
المجموع					29	النسبة	64.4%
المجموع الكلي					وحدة 45		

المستوى الثاني/ قسم تقنيات الكلية الصناعية

نوع المتطلب	اسم المقرر		عدد الساعات النظرية	عدد الساعات العملية	عدد الوحدات	طريقة التعليم	طريقة التقييم
	باللغة العربية	باللغة الإنكليزية					
متطلبات معرفية	اللغة الإنكليزية (إجباري)	English Language	2	-	2	محاضرات نظرية وعملية	يومي وفصلي ونهاي
	اللغة الإنكليزية (إجباري)	English Language	2	-	2		يومي وفصلي ونهاي
	المجموع				4	النسبة	10.5 %
متطلبات الكلية	علم النفس الطبي ((إجباري))	Medical psychology	2	-	2	محاضرات نظرية وعملية	يومي وفصلي ونهاي
	الايض الغذائي (إجباري)	Metabolism	2	2	3	//	يومي وفصلي ونهاي
	إحصاء حيوي (إجباري)	Biostatistics	1	2	2	//	//
	تدريب صفي	مستوفي	-	-	-	//	//
	المجموع				7	النسبة	18.4%
متطلبات القسم	علم الدم (إجباري)	hematology	2	3	3	محاضرات نظرية وعملية	//
	علم امراض (إجباري)	general pathology	2	3	3	محاضرات نظرية وعملية	//
	علم الدواء العام (إجباري)	General pharmacology	2	3	3	//	يومي وفصلي ونهاي
	علم التشريح التخصصي إجباري	Specific anatomy	2	3	3	//	يومي وفصلي ونهاي
	احياء مجهرية طبية	Medical microbiology	2	3	3	محاضرات نظرية وعملية	يومي وفصلي ونهاي
	أساسيات علم المناعة	Basic immunology	2	3	3	//	يومي وفصلي ونهاي
	كيمياء حيائية متقدمة (إجباري)	Advanced Biochemistry	2	3	3	//	يومي وفصلي ونهاي
	علم الأمراض السريري (إجباري)	Clinical pathology	2	3	3	//	//
	علم الدواء التخصصي (إجباري)	Specific pharmacology related to kidney	2	3	3	//	//