



Ministry of Higher Education and Scientific Research
Northern Technical University
Medical Technical Institute / Kirkuk
Department of Community Health Technologies



Academic Program Description Form Department of Community Health Technologies 2024 – 2025

preparation

Assist. Prof. Dr. Fidan Fikrat

Ahmed

University Name: Northern Technical University

Institute: Medical Technical Institute Kirkuk

Scientific Department: Community Health Technologies

Academic or Professional Program Name: Diploma in Community Health Technologies

Final Certificate Name: Technical Diploma in Community Health

Academic System: Course System

Description Preparation Date: 1/7/2025

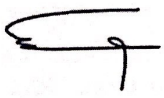
File Completion Date: 1/7/2025

Signature: 

Head of Department Name:

Assist. Prof. Dr. Fidan Fikrat Ahmad

Date: 15 / 9 / 2025

Signature: 

Scientific Associate Name:

Assist. Prof. Dr. Ali Najdat Nasrat

Date: 15 / 9 / 2025

Signature: 

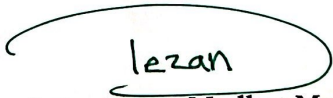
The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Assist. Lect. Goljameen Midhat Abdulla

Date: 15 / 9 / 2025


Assist. Prof. Dr. Lezan Medhat Mohamed

Approval of the Dean

First/ Program Vision

A healthy community within a leading comprehensive health system that ensures high efficiency and quality at the regional level, by providing graduates with the knowledge and experience needed to be leaders in community health and public health simply deliver an exceptional experience – with every life we touch.

Second: Program Mission

- **To prepare graduates with high professional and scientific competence in accordance with international standards who are fully qualified in the field of community health and health care.**
- **Develop and transfer knowledge on various aspects of health, health care delivery and health research at a level that achieves quality standards and interaction with the community.**
- **Prepare graduates who are health-informed from a biological, behavioral and population perspective.**

III. Program Objectives

The department aims to spread health culture among the segments of society and the quality of life for all through the specialized courses implemented by the department through its scientific plan, as well as providing scientific and medical consultations to the concerned departments and associations, conducting scientific research, and implementing its educational plan, in addition to its main tasks in preparing qualified technical staff to carry out the following tasks:

- 1. Improve the quality and safety of healthcare services.**
- 2. Contributing to reducing the spread of infectious and non-communicable diseases.**
- 3. Strengthen reproductive health, family planning and child health services.**
- 4. Developing the infrastructure of primary and secondary health care facilities.**
- 5. Manage human resources efficiently and effectively.**
- 6. Contributing to the achievement of comprehensive health insurance for all residents.**
- 7. Strengthening the regulatory and supervisory role of the Ministry of Health.**
- 8. Manage knowledge efficiently and effectively.**
- 9. Manage crises, disasters and risks efficiently.**
- 10. Preserving the sustainable environment.**

1. Program Accreditation

There isn't any

2. Other External Influences

There isn't any

3. Program Structure for the First and Second Levels

Program Structure	Number of Courses	Module	Percentage	Reviews*
University Requirements	9	18	50%	Standard (8) Optional (1)
Institute Requirements	5	14	35%	Basic (5)
Department Requirements	18	78	23%	Basic (17)
Summer Training	Updated	-----	-----	
Other	There isn't any			

7. Program Description.

Kirkuk Medical Technical Institute - Department of Community Health Technologies

First Level Courses / First Semester

Type of Requirement	Course Name		Number of Hours		Number of Units	The paver if any	Icon
	In Arabic	In English	theoretical	practical			
University Requirements	Democracy and Human Rights (Compulsory)	Democracy & Human rights (mandatory)	2	–	2	–	NTU 100
Institute Requirements	General Anatomy (Compulsory)	Anatomy (mandatory)	2	2	4	–	MTIK 107
	Safety of Laboratories and Workshops (Mandatory)	Safety in lab. & workshop (mandatory)	2	–	2	–	MTIK 108
Department Requirements	Principles of Nursing (Compulsory)	Principle of Nursing (mandatory)	2	2	4	–	CHT 110
	Microbiology (compulsory)	Microbiology (mandatory)	2	3	5	–	CHT 112
	Biochemistry (compulsory)	Biochemistry (mandatory)	1	3	4	–	CHT 113
	Community Health (Compulsory)	Community Health (mandatory)	2	3	5	–	CHT 114
Total Units of the First Level / First Semester			26				

Kirkuk Medical Technical Institute - Department of Community Health Technologies

First Level Courses / Second Semester

Type of Requirement	Course Name		Number of Hours		Number of Units	The paver if any	Icon
	In Arabic	In English	theoretical	practical			
University Requirements	English	English language	2	-	2	-	NTU 101
	Computer (compulsory)	Computer (mandatory)	1	1	2	—	NTU 102
	Arabic Language	Arabic Language	2	-	2	—	NTU 103
	Sport (Optional)	Physical Activity (optional)	1	1	2	—	NTU 104
Institute Requirements	phydiology (mandatory)	Physiology (mandatory)	2	2	4	—	MTIK 106
	Medical Terminology (Required)	Medical Terminology (mandatory)	2	—	2	—	MTIK 109
Department Requirements	Community Health Services (Mandatory)	Services of Community Health (mandatory)	2	3	5	—	CHT 111
	Medical Microbiology (Compulsory)	Medical Microbiology (mandatory)	2	3	5	—	CHT 115
	Clinical Chemistry (Required)	Clinical chemistry (mandatory)	2	3	5	—	CHT 116
Total Units of Level I/Second Semester			29				

Kirkuk Medical Technical Institute - Department of Community Health Technologies							
Second Level Courses / First Semester							
Type of Requirement	Course Name		Number of Hours		Number of Units	The paver if any	Icon
	In Arabic	In English	theoretical	practical			
University Requirements	Computer (compulsory)	Computer (mandatory)	1	1	2	—	NTH 201
	Arabic Language (Compulsory)	Arabic Language (mandatory)	2	—	2	—	NTH 202
	Crimes of the Baath regime in Iraq (mandatory)	Crimes of the Baath Regime in Iraq (mandatory)	2	—	2	—	NTU 203
Department Requirements	Internal Medicine (Compulsory)	Medicine (mandatory)	2	4	6	—	CHT 211
	Health Inspection and Control (Mandatory)	Health Inspection and Control (mandatory)	2	2	4	—	CHT 214
	Occupational Health & Safety (Optional)	Safety and Health Occupational (optional)	1	3	4	—	CHT 217
	Communicable diseases (compulsory)	Communicable Disease (mandatory)	2	2	4	—	CHT 212
	Medicines (Ajbari)	Pharmacology (mandatory)	2	2	4	—	CHT 219
	Health Education and Health Management (Compulsory)	Health education and health management	1	—	1	—	CHT 215
Total Units of the Second Level/First Semester			29				

Kirkuk Medical Technical Institute - Department of Community Health Technologies							
Level II Courses / Second Semester							
Type of Requirement	Course Name		Number of Hours		Number of Units	The paver if any	Icon
	In Arabic	In English	theoretical	practical			
University Requirements	Ethics (Mandatory)	Professional Ethics (mandatory)	2	—	2	—	NTU 204
Institute Requirements	Life Statistics (Compulsory)	Biostatistics (mandatory)	2	—	2	—	MTIK 202
Department Requirements	Graduation Project (Compulsory)	Project (mandatory)	—	2	2	—	CHT 210
	Epidemics (Ajbari)	Epidemiology (mandatory)	1	2	3	—	CHT 218
	Surgical Medicine (Mandatory)	Surgical Internal Medicine (mandatory)	2	4	6	—	CHT 216
	Public Health (Comcuratory)	Public Health (mandatory)	2	2	4	—	CHT 220
	Primary Health Care (Compulsory)	Health Care Primary (mandatory)	2	2	4	—	CHT 221
Total Units of Level II/Second Semester			23				

8. Expected Learning Outcomes of the Program

Knowledge

- 1. Knowing how to design and implement health awareness campaigns aimed at improving public health behaviors and promoting health awareness in the community.**
- 2. Knowledge of building cooperative relationships with health and community institutions to develop effective health programs that meet the needs of the community.**
- 3. Knowledge of professional ethical values and adherence to standards of good practice among students to enhance confidence and credibility in the health profession.**
- 4. Knowing the importance of sustainable development in improving public health and promoting a healthy environment in the community.**

Skills

- 1. Skills to participate in the inspection and health control teams and assist in the laboratory investigation of the tested samples and their conformity with the health conditions.**
- 2. Skills of operating and caring for medical devices and machines used in diagnosis and treatment.**
- 3. Skills to enable the student to work in the field of occupational health and safety.**
- 4. Learning skills, participation in teams on communicable diseases, how to control them, and health awareness campaigns .**

Values

- 1. Providing the student with the concepts and basics of health control and occupational safety.**

- 2. Analyze the problems facing its workers and how to develop the necessary solutions.**
- 3. Evaluate the proposed solutions and choose the optimal ones for them.**

9. Teaching and Learning Strategies

The teacher explains the theoretical material on the board using a slide projector, paper lectures, educational bags, and systematic and summer training in hospitals.

10. Evaluation Methods

Daily and Quarterly Tests And finally, Weekly reporting

11. Faculty

Table of the number of holders of higher degrees in the Department of Community Health Technologies

1.	PhD	7
2.	Master	13
Total		20

Table of the number of holders of scientific titles in the Department of Community Health Technologies

1.	Assistant Professor	6
2.	teacher	4
3.	Assistant Lecturer	10
Total		20

Names of Teaching Officers in the Department Academic Year (2024 – 2025)					
No.	Teaching Name	Certification	Scientific Title	Exact Specialization	Observations
1	Le zan Medhat Mohamed	PhD	Assistant Professor	Pathologic analysis techniques	Brigadier General
2	Ali Najdat Nusrat Sadek	PhD	Assistant Professor	Electronics & Communications	Assistant Dean
3	Fidan Fikrat Ahmed Baqir	PhD	Assistant Professor	Animal physiology	Head of Department/ Assignment
4	Laila Abd El , Sattar Sadek Suleiman	PhD	Assistant Professor	Animal physiology	Lecturer/ Eng. Safety and Biosecurity Unit
5	Suzan Adel Rashid Bahgat	PhD	Assistant Professor	Medical Microbiology	Teaching
6	Sura Hashem Mohamed Sadek	PhD	Assistant Professor	Political science	Teaching
7	Bushra Nouredine Ghafoor Qadir	PhD	lecturer	Educational Psychology	Teaching / Associate of Educational Guidance and Guidance Unit

8	Jalank Hamid Mahmoud Saleh	Master	lecturer	Falsification	Ph.D. Student / Part-time
9	Samira Hassan Abdullah Mustafa	Master	lecturer	Science in Medical Physics	PhD student / part-time
10	Fatima Fadel Saleh Mahmoud	Master	Lecturer	Nursing/Community Health	Lecturer/ Associate of Technology Incubator and Ecosystem Unit
11	Mahdi Fadel Khalil Ibrahim	Master	Assistant Lecturer	Computer Science and Information Technology	Rapporteur's Department
12	Hawar Sabah Abdullah Hamad Al- Din	Master	Assistant Lecturer	Clinical Biochemistry	Teaching
13	Rusul Nabil Abdullah Mohiuddin	Master	Assistant Lecturer	Life Sciences	Teaching
14	Noor Ali Yahya Abd El , Razzaq	Master	Assistant Lecturer	Life Sciences	Teaching
15	Rahma Abdullah Hassan Yahya	Master	Assistant Lecturer	Organic Chemistry	Teaching / Maternity Leave
16	Laila Abbas Omar Mohammed	Master	Assistant Lecturer	Arabic Language / Language	Teaching
17	Jassim Mohammed	Master	Assistant Lecturer	Arabic Language / Language	Teaching

	Hassan Hussein				
18	Hanan Faisal Ghazi Mohammed	Master	Assistant Lecturer	English / Linguistics	Teaching / Digital Warehouse Administrator
19	Hassan Ismail Reda Ahmed	Master	Assistant Lecturer	Engineering Welding Techniques	Teaching / Mechanism / Services Unit Officer
20	Alaa Etihad Younis Ahmed	Master	Assistant Lecturer	Computers/Programming	Teaching / Head of the Summer Training Unit

Professional Development

Mentoring new faculty members

The professional development of faculty members is one of the main pillars to ensure the quality of education and improve the outputs of the Department of Community Health Technologies. It aims to provide the teaching staff with modern skills and advanced teaching methods, including guiding new members to adapt to the department's academic and administrative environment. This is done through

- Enhancing the teaching and scientific research skills of faculty members.
- Support modern trends in teaching and learning (e.g., e-learning, active learning strategies).
- Providing continuous guidance and guidance to the new members of the Authority.
- Improve academic performance in line with academic accreditation standards.
- Promoting a culture of quality and institutional excellence within the department.

Professional Development of Faculty Members

The New Member Orientation includes the following elements:

Initial Orientation Meeting

- Introducing the vision, mission and objectives of the department.
- Review the organizational structure of the department and the tasks of the committees.
- Submit the faculty directory and the department directory.

Administrative and academic support

- Providing an explanation of the evaluation system, schedules, and study descriptions.

- Introducing the quality system and the requirements of reporting and documentation.
- Assist in the preparation of lectures and use of learning management systems.

Research and Academic Guidance

- Identify the appropriate research paths for their specialization.
- Introducing them to the procedures for publishing and applying for research funding.
- Encouraging them to participate in scientific conferences and symposiums.

Cultural and Social Guidance

- Introducing them to the culture and values of the educational institution.
 - Facilitate their integration into the department's environment through informal meetings.
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12. Acceptance Criterion

1. The student's admission criteria according to the central admission is within the plan of the Ministry and the student's branch in the preparatory school, his average and desire, after the student is interviewed by the institute.
2. The results of the medical examination must ensure that the student is fit and fit to study in the department.
3. Desire.

13. The most important sources of information about the program

- Educational bags.
- External Resources (Internet).
- Scientific Research and its Latest Developments.
- Methodological books.

14. Program Development Plan

- Adding information on all topics related to first aid and intensive care.
- Adding a course on research methodology.
- Identify the latest scientific developments.
- Participation in international and local conferences.
- Participating in scientific workshops inside and outside Iraq.
- Hosting scientific competencies in the field of specialization.

Level	Course Name	Course Code	Basic (A) Non-core (g)	Cognitive Objectives				Program-specific skills objectives				Emotional and Value-Based Goals			General and Qualifying Skills Transferred (Other Skills Related to Employability and Personal Development)			
2024-2025 Level I				A1	A2	A3	A4	B 1	B 2	B 3	B 4	C2	C3	A4	B1	B2	B3	D4
	English (compulsory)	NTU 101	University Requirements (g)	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	X	✓	✓	X	✓
	Democracy and Human Rights (Compulsory)	NTU 100	University Requirements (g)	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	X	✓	✓	✓
	Arabic Language (Compulsory)	NTU 103	University Requirements (g)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	General Anatomy (Compulsory)	MTIK 107	Institute Requirements (a)	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	X	✓	X	✓	✓
	Safety of Laboratories and Workshops (Mandatory)	MTIK 108	Institute Requirements (a)	✓	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	X
	Principles of Nursing (Compulsory)	CHT 110	Department Requirements (a)	✓	✓	✓	✓	X	✓	✓	✓	X	✓	✓	X	✓	✓	✓
	Microbiology (compulsory)	CHT 112	Department Requirements (a)	✓	✓	✓	✓	✓	X	✓	X	✓	✓	X	✓	✓	✓	X
	Biochemistry (compulsory)	CHT 113	Department Requirements (a)	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	X	✓	✓	✓
	Community Health (Compulsory)	CHT 114	Department Requirements (a)	✓	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	X	✓	✓

	Computer 1 (Required)	NTU 102	University Requirements (g)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Sport (Optional)	NTU 104	University Requirements (g)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	X
	Human Physiology (Required)	MTIK 106	Institute Requirements (a)	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	X	✓	✓	✓	X
	Medical Terminology (Required)	MTIK 109	Institute Requirements (a)	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	X	✓	✓
	Community Health Services (Mandatory)	CHT 111	Department Requirements (a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Medical Microbiology (Compulsory)	CHT 115	Department Requirements (a)	✓	✓	✓	✓	X	✓	✓	X	✓	✓	X	✓	✓	✓	X
	Clinical Chemistry (Required)	CHT 116	Department Requirements (a)	✓	✓	✓	✓	X	✓	✓	✓	X	✓	✓	X	✓	✓	✓

Level	Course Name	Course Code	Basic (A) Non-core (g)	Cognitive Objectives				Emotional Goals				General Skills						
Second Level 2024-2025				A1	A 2	A3	A4	B 1	B 2	B 3	C1	C2	C3	A4	B1	B 2	B3	D4
	Computer (compulsory)	NTH 201	University Requirements (g)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Arabic Language (Compulsory)	NTH 202	University Requirements (g)	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Crimes of the Baath regime in Iraq (mandatory)	NTU 203	University Requirements (g)	✓	✓	✓	✓	✓	X	✓	✓	X	✓	✓	✓	✓	✓	X
	Internal Medicine (Compulsory)	CHT 211	Department Requirements (a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Health Inspection and Control (Mandatory)	CHT 214	Department Requirements (a)	✓	✓	✓	X	✓	✓	✓	X	✓	✓	X	✓	✓	✓	✓
	& Occupational Health Safety (Optional)	CHT 217	Department Requirements (a)	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	X	✓	✓	X
	Communicable diseases (compulsory)	CHT 212	Department Requirements (a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Medicines (Ajbari)	CHT 219	Department Requirements (a)	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	X	✓
	Health Education and Health Management (Compulsory)	CHT 215	Department Requirements (a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Ethics (Mandatory)	NTU 204	University Requirements (a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

	Life Statistics (Compulsory)	MTIK 202	Institute Requiremen ts	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	X	✓	✓	✓	X
	Graduation Project (Compulsory)	CHT 210	Department Requiremen ts (a)	✓	✓	✓	✓	✓	✓	X	✓	✓	X	✓	✓	X	✓	✓
	Epidemics (Ajbari)	CHT 218	Department Requiremen ts (a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Surgical Medicine (Mandatory)	CHT 216	Department Requiremen ts (a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Public Health (Comcuratory)	CHT 220	Department Requiremen ts (a)	✓	✓	✓	✓	✓	X	✓	✓	✓	X	✓	✓	✓	✓	X
	Primary Health Care (Compulsory)	CHT 221	Department Requiremen ts (a)	✓	✓	✓	✓	X	✓	✓	✓	X	✓	✓	X	✓	✓	✓

Assignments of Teachers, Technicians, Associates and Ministerial Contracts First Semester of the Academic Year (2024 – 2025)														
Formation Name		Medical Technical Institute/ Kirkuk			Morning Study				Evening Classes				Total Commissi oning Hours	Observations
section		Community Health Technologies												
t	Triple Name	Scientifi c Title	Certific ation	Jurisdiction	Subjects	Quor um	Total Commissi oning Hours	Overti me	Subjects	Quor um	Total Commis sioning Hours	Overti me		
1	Fidan Fikrat Ahmed Baqir	Assistan t Profess or	Doctor	Animal physiology	Hematology/M3 College (2N+3P) of Health and Medical Technology	4	5	1	Hematolog y/m2 (4N+6P)		10		15	Head of Department/Lectu res at the College of Health and Medical Technology
2	Laila Abd El , Sattar Sadek Suleiman	Assistan t Profess or	Doctor	Animal physiology	Community Health/Volume 1 (4N)	8	12	4	Health Inspection and Control (8N+8G)		16		28	Teaching (Age over 50 years) Head of the Laboratory Safety and Biosecurity Unit
					Health Inspection and Control/m2 (4N+4P)									
3	Sura Hashem Mohamed Sadek	Assistan t Profess or	Doctor	Political science	Democracy and Human Rights/Vol. 1 (4N)	8	8	0	Democracy and Human Rights (2n)		10		18	Teaching / Member of the Educational Guidance

					Crimes of the Baath Regime in Iraq / M2 (4N)				Crimes of the Ba'ath Regime in Iraq (8n)					Committee / First Level
4	Bushra Nouredine Ghafoor Qadir	teacher	Doctor	Educational Psychology	Health Education and Health Management/M2 Community (2n) Health	8	10	2	Health Education Health & Management (4N)		4		14	Teaching / Completing the Curriculum in the Department of Nursing and Physical Education (4 + 4 P) Head of the Psycho-Educational Counseling Unit
					Physical / Education Volume 1 Nursing (4N+4D)									
5	Fatima Fadel Saleh Mahmoud	teacher	Master	Nursing Sciences/	Principles of Nursing / Vol. 1 (4N)	8	12	4	Pharmaceuticals (8N+8P)		16		28	Teaching
				Community Health Nursing	Pharmaceuticals/ m2 (4N+4P)									Officer of the Technology Incubator Unit
6	Ozdan Akram Gharib Sulaiman	teacher	Master	veterinary medicine	Internal Medicine / M2 (4N+8P)	8	12	4	Internal Medicine (P 8 + 4)		12		24	Teaching Head of Studies and Planning Division
7	Gol Jamin Medhat Abdullah Hussein	Assistant Lecturer	Master	Life Sciences/Microbiology	Communicable diseases (4 + 4 p)	10	8	0	Communicable diseases (8 p 8 +		16	14	24	Teaching / Supplementing the Curriculum in the Evening Communicable Diseases Course (2 Hours) Head of Quality Assurance and Performance Appraisal Division
8	Jalank Hamid Mahmoud Saleh	teacher	Master	Life Sciences/Physiology	Occupational / Health & Safety M2 (2N+6D)	6	8	2	Occupational Health Safety & (4N+12G)		16		24	Teaching / PhD student / Part-time
9	Mahdi Fadel Khalil Ibrahim	Assistant Lecturer	Master	Computer Science	Computer/M2 (2N+2P) Community Health	10	10	0	Computer M2 (4N+4P) Community Health		14		24	Lecturer/Department Rapporteur
					Computer/m2 (4n) Nursing				Computer (4N) Nursing					
					Computer/m2 (2N) Pharmacy				Computer (2N) Pharmacy					
10	Hawar Sabah Abdullah Hamad Al-Din	Assistant Lecturer	Master	Chemical Sciences/	/ Biochemistry M1 (2N+6P)	14	12	0	Biochemistry (1N+3P)		12	10	24	Teaching / Supplementing the Curriculum in the Evening Pharmaceutical Course (2 Hours)
				Biochemistry	Pharmaceuticals/ m2 (4G)				Pharmaceuticals (8p)					
11	Rusul Nabil Abdullah Mohiuddin	Assistant Lecturer	Master	Life Sciences/	/ Microbiology M1 (4N+6P)	14	14	0	Microbiology / M1 + (2N+3P) Safety of Laboratories and Workshops M1(2N) /		11		25	Teaching
				Environmental Science	Health Inspection and Control/m2 (4G)				Health Inspection and					

									Control/m2 (4G)					
1 2	Noor Ali Yahya Abd El , Razzaq	Assistan t Lecturer	Master	Life Sciences/Parasit es	Safety of Laboratories and Workshops/M1 (4N) Community Health / Vol. 1 + (6G) / Microbiology Vol. 1 (6P)	14	16	2					16	Teaching
1 3	Laila Abbas Omar Mohamme d	Assistan t Lecturer	Master	Arabic Language	Arabic /Language Volume 1 (4N) Arabic Language/ M2 (4N)	14	8	0	Arabic /Language Volume 1 (4N) Arabic Language M2 (8N)		10	4	18	Teaching / Supplementing the Curriculum in the Evening Arabic Language (6 Hours) PhD student / Obtaining a part- time sabbatical from 1/12/2024 to become 6 hours Reference to the Northern Technical University Letter No. 817/12/7 on 2024/12/16
1 4	Hanan Faisal Ghazi Mohamme d	Assistan t Lecturer	Master	English	English / Language / Volume 1 (16N) Department of Nursing	10	16	6	English Language / (2n) Departmen t of Nursing		2		18	Teaching / Digital Warehouse Unit Officer
1 6	Jassim Mohamme d Hassan	Assistan t Lecturer	Master	Arabic Language	Arabic Language / M1 (4n) Technical / Institute Surveying Department + M1 Mechanical (4n) Department	6	8	2					8	Teaching / PhD Student / Part- time
1 7	Alaa Ittihad Younis Ahmed	Assistan t Lecturer	Master	Computers/Prog ramming	Engineering / Drawing1 (6p) Engineering Technical / College Computer Technology Engineering + Department Computer Technologies M1 Health and / (4p) Medical Technical / College / Kirkuk Department of Technology of Industrial College	10	10							Teaching / Head of the Summer Training Unit
1 8	Rahma Abdullah Hassan Yahya	Assistan t Lecturer	Master	Chemistry/Orga nic Chemistry		0	0	0					0	/ Teaching Maternity Leave
1 9	Atheer Hamoud	Senior Agricuilt ural	Bachelo r	Bachelor of Agriculture and Forestry	/ Microbiology Volume 1 (6p)	12	12		Microbiolo gy (6p)		15		27	Community Health Laboratory Officer

	Abdullah Moussa	Engineer		Food Science and Biotechnology	Occupational Health & Safety / M2 (6G)				Occupational Health and Safety (12p)					
20	Songul Tawfiq Muhammad Uzair	Chief Veterinarians	Bachelor	veterinary medicine	Anatomy/M1 (4P)	10	16	6					16	Physiology Laboratory Officer
					Internal Medicine / M2 (8p)									
21	Najwan Mohamed Mustafa Mohamed	Head of technician trainer	diploma	Community Health	/ Anatomy + Volume 1 (4G) Principles of Nursing Volume 1 (4D)	14	16	2					16	technician
					Internal Medicine / M2 (8p)									
22	Shilana Assi Shawkat	Senior Technical Trainers	diploma	Community Health	Principles of Nursing / Vol. 1 + (4G) Community Health / V1 (6G)	14	16	2					16	technician
					/ Microbiology Volume 1 (6P)									
23	Gulan Salah Qadir Mahmoud	Assistant Chemist	Bachelor	Chemistry Sciences	/ Biochemistry Volume 1 (6p)	20	10	0	Biochemistry (6p)		11	4	21	Curriculum Supplement in the Evening Biochemistry (3) and Pharmacology (8) Practical
					Pharmaceuticals/ m2 (4G)				Pharmaceuticals (8p)					
24	Amjad Khurshid Juma Hussein	Assistant Technical Coach	diploma	civil	Computer/m2 + Health (2p) Computer/m2 Nursing (16p)	16	18	2					18	/Technician Reduction of the quorum of the head of the absences committee more than 300 students
25	Hassan Ismail Reda	Assistant Lecturer	Master	Mechanical Engineering	Manufacturing Processes + (2N+2G) Electricity (2N+2G) Technical Institute	10	12	2	Computer (4D) Community Health		4		16	Teaching / Machinery Unit Officer
					Computer/m2 Nursing (4n)									
26	Zainab Jamal Saleh	Ministerial contract	Bachelor	Life Sciences	/ Biochemistry Volume 1 (6p)		16						16	Ministerial contract
					Occupational / Health & Safety m2 (6G) + Health & Inspection Control / m2 (4G)									
27	Hussein Mohamed Abdel Fattah Ibrahim	teacher	Doctor	Community Health Nursing	Anatomy/M1 (4n + 4p)		8		Anatomy (4n + 4p)		8		16	Kirkuk Health Department/Higher Health Institute Full-time on Tuesday
28	Yas Khidr Baez	teacher	Doctor	Adult Nursing					Internal Medicine (P 8 + 4)		12		12	Kirkuk Health Department/Training and Development Division/Full-time on Monday
29	Burhan Ali Hama Hussein	teacher	Doctor	Community Health Nursing					Community Health (4 N + 6 P)		10		10	Kirkuk Health /Department Higher Health

	Abdulrahman													Institute/ Full-time on Monday
30	Kamran Adel Feiza Bakhsh	teacher	Doctor	Community Health Nursing			4		Principles of Nursing (P 4 + 4)		8		12	Kirkuk Health /Department Higher Health Institute/ Full-time on Wednesday
31	Nizamuddin Qadir Hassan	Senior Medical Associate Head	diploma	Community Health	Internal Medicine / M2 (4) and Communicable Diseases / M2 (2)		6		Internal Medicine and (8) Communicable Diseases (4)		12		18	Kirkuk Teaching Hospital
32	Wissam Ibrahim Ahmed	Chief Medical Associate	diploma	Community Health	Internal Medicine / M2 (4) and Communicable Diseases / M2 (2)		6		Internal Medicine and (8) Communicable Diseases (4)		12		18	Kirkuk Teaching Hospital

Assignments of Teachers, Technicians, Associates and Ministerial Contracts

Second Semester of the Academic Year (2024-2025)

Formation Name		Medical Technical Institute/ Kirkuk			Morning Study				Evening Classes				Total Commissioning Hours	Observations
Name of the Scientific Department		Community Health Technologies												
N	Name	Scientific Title	Certification	Jurisdiction	Subjects	Quorum	Total Commissioning Hours	Overtime	Subjects	Quorum	Total Commissioning Hours	Overtime		
1	Lizan Medhat Mohamed	Assistant Professor	Doctor	Pathological Analysis Techniques	Laboratory and Workshop Safety) M2 / (4 N) /A+B (Department of / Nursing Technologies	2	4	2	Prescribed Takhraj/ M2 (.A.D 8)		8		12	Teaching / Dean
2	Ali Najdat Nusrat	Assistant Professor	Doctor	Electronics and Communications Engineering	Computer / M1 / (1N+1P)A	4	2		/ Computer M1 (1N+1P) /A		2		4	Teaching / Associate Dean for Scientific / and Student Affairs Curriculum Supplement in the Evening Computer Course (2 hours)
3	Fidan Fikrat Ahmed Baqir	Assistant Professor	Doctor	Animal physiology	Sport / M1 (2 + 2 p) + Graduation Project / m2 (2 p)	4	6	2	Sport / M1 + (p 2 + 2) Graduation Project / m2 (p 4)		8		14	Teaching / Head of Department
4	Laila Abd El . Sattar	Assistant	Doctor	Animal physiology	Physiology/M1 + (4N+4G)	8	18	10	Physiology/ (4N+4G) M1		22		40	Teaching / (Age over 50 years)

	Sadek Suleiman	Professor			Medical Terminology/M1 (2N)				Medical + Terminology M1 (2N)/					
					Sport / m2 (2 + 2 p) + (Graduation project/ m2 (4 p)				Sport / m2 (4 + 4 p) + graduation project / m2 (4 p)					Head of the Laboratory Safety and Biosecurity Unit
5	Suzan Adel Rashid	Assistant Professor	Doctor	Medical Microbiology	Medical / Microbiology M1 (4N+6P)	10	12	2	Prescribed Takhraj/ M2 (.A.D 6)		6		18	Teaching
					Prescribed Takhraj/ M2 (2A)									
6	Sura Hashem Mohamed Sadek	Assistant Professor	Doctor	Political science	Professional Ethics/M2 (4N)	8	6		Prescribed Takhraj/ M2 (.A.D 6)		6		12	Teaching / Member of the Educational Guidance Committee / First Level
					Prescribed Takhraj/ M2 (2A)									Curriculum Supplement in the Evening (2 hours) Research Project
7	Bushra Nouredine Ghafoor Qadir	teacher	Doctor	Educational Psychology	/ Psychology / Volume 1 (8 N) Department of Nursing	8	10	2					10	Head of the Psycho-Educational Counseling Unit
					Prescribed Takhraj/ M2 (2A)									
8	Fatima Fadel Saleh Mahmoud	teacher	Master	Nursing Sciences/	Primary Health Care /m2 (4N+4G)	8	10	2	Primary Health Care m2 (8N+8D)/		22		32	Teaching
				Community Health Nursing	Prescribed Takhraj/ M2 (2A)				Prescribed Takhraj/ M2 (6 A.D.)					Officer of the Technology Incubator Unit
9	Ozdan Akram Gharib Sulaiman	teacher	Master	Clinical Diseases	Surgical Medicine/M2 /(4N+8G)A	8	14	0	Medical Surgery (4n + (AD 8 + Prescribed Surgery / M2 (2)		18		32	Teaching / Head of Studies and Planning Division
					Prescribed Takhraj/ M2 (2A)				Professional Ethics/M2 (4N)					
10	Gol Jamin Medhat Abdullah Hussein	Assistant Lecturer	Master	Life Sciences/Microbiology	/ Epidemiology m2 (2n + 4p)	10	12	2	Epidemiology (4 + 8 P)		18		30	Teaching / Head of Quality Assurance and Performance Evaluation Division
					Prescribed Takhraj/ M2 (6 A.D.)				Prescribed Takhraj/ M2 (6 A.D.)					Head of Quality Assurance and Performance Appraisal Division
11	Jalank Hamid Mahmoud Saleh	teacher	Master	Life Sciences/Physiology	Public Health/M2 (4N+4D)	6	10	4	Public Health/M2 (8N+8G)		22		24	Teaching / PhD student / Part-time
					Prescribed Takhraj/ M2 (2A)				Prescribed Takhraj/ M2 (.A.D 6)					
12	Mahdi Fadel Khalil Ibrahim	Assistant Lecturer	Master	Computer Science	Computer / M1 / (1N+1D)B	10	4	0	Computer /M1 (1N+1P) B		6		10	Lecturer/Department Rapporteur
					Prescribed Takhraj/ M2 (2A)				Prescribed Takhraj/ M2 (4A)					Completion of the Evening Curriculum Computer and Graduation Project (Hours 6)
13	Hawar Sabah Abdullah Hamad Al-Din	Assistant Lecturer	Master	Chemical Sciences/	Clinical Chemistry / M1 (4N+6P)	14	10	0	Clinical / Chemistry Volume 1 + (4N + 6G) Community		18		28	Teaching / Supplementary Curriculum in the Evening Community

									Health / Services Volume 1 (6G)					Health Services Practical (4 Hours)
				Biochemistry					Prescribed Takhraj/ M2 (2A)					
14	Rusul Nabil Abdullah Mohiuddin	Assistant Lecturer	Master	Life Sciences/	Community / Health Services M1 (4N+6D)	14	10	0	Community Health / Services Volume 1 + (4N) Medical Microbiology / Volume 1 (4N + 6G)		16		26	Teaching / Supplementary Curriculum in the Evening Practical Microbiology (4 Hours)
				Environmental Science					Prescribed Takhraj/ M2 (2A)					
15	Noor Ali Yahya Abdul Razzaq	Assistant Lecturer	Master	Life Sciences/Parasites	////	0	0	0	////				0	Teaching / Maternity Leave
16	Laila Abbas Omar Mohammed	Assistant Lecturer	Master	Arabic Language	Arabic /Language Volume 1 (4N)	6	4	0	Arabic /Language Volume 1 (4N)		4		8	Teaching / PhD student / Part-time
														/ Teaching Supplementary Curriculum in the Evening Arabic Language (2 Hours)
17	Hanan Faisal Ghazi Mohammed	Assistant Lecturer	Master	English language	English / Volume / (4N) 1 Department of Community Health	10	12	2	English / Language M1 (4n)		4		16	Teaching / Digital Warehouse Unit Officer
					English / M1 (8N) Department of / Pharmacy									
18	Jassim Mohammed Hassan Hussein	Assistant Lecturer	Master	Arabic Language	Sport / m1 (2 p)	6	6		////				6	Teaching / PhD Student / Part-time
					Arabic Language / M2 (4N)/ Medical Technical / Institute Surveying Department									
19	Alaa Ittihad Younis Ahmed	Assistant Lecturer	Master	Computers/Programming	Computer M2 Anatomy + (2P) M1 (9P) / Health and Medical Technical College	10	11	1	////					Teaching / Head of the Summer Training Unit
20	Rahma Abdullah Hassan Yahya	Assistant Lecturer	Master	Chemistry/Organic Chemistry	////	0	0	0	////				0	Teaching / Maternity Leave
21	Hassan Ismail Reda Ahmed	Assistant Lecturer	Master	Mechanical Engineering	Statistics of My Life / m2 (4n) Manufacturing Operations + (4N+4G) Electricity (4N+4G) Technical Institute/ Kirkuk	10	20	10	Statistics of my life / m2 (8n)		8		28	/ Teaching Machinery Unit Officer
22	Atheer Hamoud Abdullah Moussa	Senior Agricultural Engineer	Bachelor	Bachelor of Agriculture and Forestry	Medical / Microbiology M1 (6P)	12	12		Medical Microbiology / Volume 1 (6P)		12		24	Community Health Laboratory Officer

				Food Science and Biotechnology	Community Health Services / M1 (6G)				Community Health / Services M1 (6G)					
23	Songul Tawfiq Muhamm ad Uzair	R. Veterinar ians	Bachelo r	veterinary medicine	Physiology Vol. 1 (4P)	10	12	2	/////				12	Technician / (Age over 50 years)
					Internal Medicine M2 (8p) /									
24	Najwan Mohamed Mustafa Mohamed	R. Motherbi n Finnin	diploma	Community Health	Clinical Chemistry (Vol. 1 Sports/M1 + (4G) (2G)	14	14		/////		8		22	technician
					Internal Medicine M2 (8p) /									
25	Shilana Assi Shawkat	Senior Technica l Trainers	diploma	Community Health	Community / Health Services + Volume 1 (6G) / Public Health Volume 1 (4G)	14	14	0	/////		8		22	technician
					Epidemiology/M2 (4p)									
26	Gulan Salah Qadir Mahmoud	Chemical assistant	Bachelo r	Chemistry Sciences	Clinical Chemistry Vol. 1 (6P)	16	10	0	Clinical / Chemistry Volume 1 (6G)		14		24	In charge Physiology Laboratory
					Epidemiology/M2 (4p)				Epidemiolog y / M2 (8p)					Curriculum Supplement in Evening Clinical Chemistry (6) Practical
27	Amjad Khurshid Juma Hussein	Assistan t Technica l Coach	diploma	Civil	Computer/M2 Sport/M1 + (2G) Sports/M1 + (2G) Community (2G) Health + Department Sports/M2 (2G) Community Health + Department Sports/M1 (4G) Pharmacy	16	12		/ Computer + M1 (2G) Sport / M1 / (2G) Community + Health Sport / M2 / (4G) Community + Health Sport / M1 / (4G) Department of Pharmacy		12		24	/Technician Reduction of the quorum of the head of the absences committee more /than 300 students Completion of the quorum of the sports subject M2 (4 p)
28	Zainab Jamal Saleh	Ministeri al contract	Bachelo r	Life Sciences	Knowledge of -Wazaif al A'adah/ M1 (4' (.A.D		14		/////				14	Ministerial contract
					Medical / Microbiology + Volume 1 (6D) Primary Health Care / Volume 2 (4D)									
29	Yas Khidr Baez	teacher	Doctor	Adult Nursing	/////				Medical Surgery/ M2 + (4n + 8A) Prescribed Surgery / M2 (4)		16		16	Kirkuk Health Department/Training and Development Division/Full-time on Monday
30	Hussein Mohamed Abdel Fattah Ibrahim	teacher	Doctor	Community Health Nursing	/////				Prescribed Takhraj/ M2 (.A.D 6)		6		6	Kirkuk Health Department/Higher Health Institute/ Full-time on Tuesday
31	Burhan Ali Hama Hussein	teacher	Doctor	Community Health Nursing	/////				Prescribed Takhraj/ M2 (.A.D 6)		6		6	Kirkuk Health Department/ Higher Health Institute/ Full-time on Monday

	Abdulrahman													
32	Kamran Adel Feiza Bakhsh	teacher	Doctor	Community Health Nursing	////				Prescribed Takhraj/ M2 (.A.D 6)		6		6	Kirkuk Health Department/ Higher Health Institute/ Full-time on Wednesday
33	Nizamuddin Qadir Hassan	Senior Medical Associate Head	diploma	Community Health	Surgical Medicine / M2 (4 p) Epidemiology m2 (2 p) /		6		Surgical / Medicine M2 (8) Epidemiology M2 (4)		12		18	Kirkuk Teaching Hospital
34	Wissam Ibrahim Ahmed	Chief Medical Associate	diploma	Community Health	Surgical Medicine / M2 (4 p) Epidemiology m2 (2 p) /		6		Traumatology/M2 (8) Epidemiology M2 (4)		12		18	Kirkuk Teaching Hospital

Course Description Form

Course Description (Phase I)

Course Description Template1)

1. Course Name	
Democracy and Human Rights	
2. Course Code	
NTU 100	
3. Semester/Year	
First/2024	
4. Date of this description	
25/10/2024	
5. Available Forms of Attendance	
Came	
6. Number of Credit Hours (Total) / Number of Units (Total)	
(2n) / (2)	
7. Course Objectives	
Course Objectives	The historical development and emergence of the concept of democracy, its nuclei and the methods of diagnosis do not cause a decline in its practice in the political systems of countries and how to solve them. Identifying the components and characteristics of democracy and laying the correct foundations for the political systems of countries in order to ensure that citizens enjoy its outputs and arm themselves with the force of law to defend the privileges emanating from them and to build a free society that believes in its complete and undiminished minds and the duties entrusted to it in order to protect the political system from regression, disintegration and chaos Identify the most important relationship between democracy, human rights and civil society institutions through influence and influence among them, what are the outcomes and results of these relations, and how they contribute to building a democratic society for which the political system guarantees public rights and freedoms.

	Individuals were able to participate effectively in choosing the form of government that achieves the foundations of coexistence, understanding, tolerance and respect among the members of the same people with their different ideological, religious, linguistic and customary orientations.
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8. Teaching and Learning Strategies

Strategy	Explanation, Brainstorming, Dialogue, Discussion, Quick Test
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9. Course Structure

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	2	General Introduction to Truth and Man	Definition of Rights Human and its types	Explanation and Discussion	Weekly Exam
2	2	History of Human rights	The Historical Development of Rights	Explanation and Discussion	Weekly Exam
3	2	Student Definition The most important document in Area of Law Human	Universal Declaration Human Rights	Explanation and Discussion	Weekly Exam
4	2	Human Rights Features	Characteristics of human rights	Explanation and Discussion	Weekly Exam
5	2	Human Rights of Religions Point of View	Human rights In Islam and other legislations	Explanation and Discussion	Weekly Exam
6	2	International side Human Rights	International Convention of Human Rights Human	Explanation and Discussion	Weekly Exam
7	2	Democracy	Definition of Democracy and its types	Explanation and Discussion	Weekly Exam
8	2	Characteristics of Democracy	Characteristics of Democracy	Explanation and Discussion	Weekly Exam
9	2	Freedom	The Concept of Freedom and Its Types	Explanation and Discussion	Weekly Exam
10	2	Public Freedoms	Types of Public Freedoms	Explanation and Discussion	Weekly Exam

11	2	Democracy	Democracy in Middle Ages and Modern	Explanation and Discussion	Weekly Exam
12	2	Democracy in Arab Countries	Democracy in States Arabic	Explanation and Discussion	Weekly Exam
13	2	Democracy in Iraq	The democratic experimen In Iraq	Explanation and Discussion	Weekly Exam
14	2	Administrative Corruption	The Phenomenon of Corruption Administrative in Iraq	Explanation and Discussion	Weekly Exam
15	2	Comprehensive Review	Vocabulary Review	Explanation and Discussion	Prepare For the test Final

10. Course Evaluation

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc

11. Learning and Teaching Resources

Required Textbooks (Methodology, if any)	/
Key Reference(s)	Assoc. Prof. Dr. Maher Sabri Kazim, Human Rights and Democracy - Dr. Mohammed Abed Al-Jabri, Democracy a Human Rights
Recommended books and supporting references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Template(2)

1. Course Name
Arabic Language
2. :Course Code
NTU103
3. Semester/Year
First Level / First Semester 2024/2025
4. Date of this description
26/10/2024
5. Available Forms of Attendance
Theoretical
6. Number of Credit Hours (Total) / Number of Units (Total)
(2n) / (v.2)
7. Course Objectives

Objectives Course	- The student should grow up loving the Arabic language, the language the Holy Qur'an. - Identify the places of beauty in the Arabic language and its literature. - Introducing the student to the correct Arabic language words, structure and methods.
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8. Teaching and Learning Strategies

Strategy	The strategy of the lecture and following the method of dialogue between teacher and the student by offering Questions, summarize information and ideas in key points, and connect theoretical concepts with real-life examples.
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9. Course Structure

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	2	1. Identify types of errors Linguistics. 2. Differentiate between open T's And the tied T.	Introduction to Linguistic Errors Bound T and Open T	Method of discussion, And the method of the lecture	test oral
2	2	1- Differentiating between the writing of the elongated alphabet and the inscribed alphabet and the places of writing Two thousand 2- Differentiating between solar and lunar letters	Elongated and compartmental-letter writing rules Solar and Lunar	Method of discussion, And the method of the lecture	test oral
3	2	Differentiating between Dhaad and Dhaa	Al-Dhad and Al-Dhaa	Method of discussion, And the method of the lecture	test oral
4	2	We enable the student to write the Hamza Correct Writing	Writing Hamza	Method of discussion, And the method of the lecture	test oral
5	2	Recognize the signs of punctuation and write its correct position	Signs of Rafting	Discussion method, And the method of the lecture	test oral

6	2	1. Recognize the noun, verb and statement Tag of each 2. Differentiating between nouns and verbs 3- Explaining the types of verbs 4. Differentiate between types of verbs	Noun, verb differentiation Between them	Discussion method, And the method the lecture	test oral
7	2	Recognize the types of actions and differentiate between them	Effects	Discussion method, And the method the lecture	test oral
8	2	Enable the student to write numbers Correct Writing	Number	Discussion method, And the method the lecture	test oral
9	2	Recognizing Language Errors Rumors and avoid them	Applications of Language Errors Rumors	Discussion method, And the method the lecture	test oral
10	2	Recognizing Language Errors Rumors and avoid them	Applications of Language Errors Rumors	Discussion method, And the method the lecture	test oral
11	2	1- Differentiating between the noun and the noun 2. Recognize the meanings of letters Traction	Al-Nun and Al-Tanwee Meanings of Letters Traction	Discussion method, And the method the lecture	test oral
12	2	Recognizing the Formal Aspects Administrative Letter	Formalities Administrative Discourse	Discussion method, And the method the lecture	test oral
13	2	Familiarize yourself with the language of administrative discourse	The Language Administrative Discourse	Discussion method, And the method the lecture	test oral
14	2	Familiarize yourself with the language of administrative discourse	The Language Administrative Discourse	Discussion method, And the method the lecture	test oral
15	2	Learn about sample correspondence Administrative	Administrative correspondence forms	Discussion method, And the method the lecture	Oral Test

10. Course Evaluation

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc

11. Learning and Teaching Resources

Required Textbooks (Methodology, if any)	General Arabic
Main References (Sources)	There isn't any
Recommended books and supporting references (scientific journals, reports...)	There isn't any
Electronic References, Websites	There isn't any

Course Description Template(3)

1. Course Name	
Computer	
Course Code .2	
NTU102	
3. Semester/Year	
Quarterly.	
Date of preparation of this description .4	
20/9/2025	
5. Available Forms of Attendance:	
Study in the classrooms and laboratories.	
6. Number of study hours (total) / Number of units (total):	
2 hours (1N+1p) Units.	
7. The name of the course administrator (if more than one name is mentioned)	
Name: Mahdi Fadel Khalil Ibrahim. Email : mahdi.fadil@ntu.edu.iq	
8. Course Objectives	
Course Objectives	- Understand the basics computers. - Use applications. - Learn about informat security.
9. Teaching and Learning Strategies	
Strategy	- Project-based learning. - Weekly reports. - Project-based learning. - Technology-Guided Education. - Hands.
10. Course Structure	

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
The first	One ho	Learn about .network security	Security and Networking.	Came	The exam is civ and not
Second	One ho	Learn about e-shopping	E – Commerce.	Came	The exam is civ and not
Third	One ho	Knowing compute .problems	Computer Troubleshooting.	Came	The exam is civ and not
Fourth	One ho	The Introduction Artificial .Intelligence	Introduction to AI.	Came	The exam is civ and not
V	One ho	The importance o .artificial intellige	AI in Our Daily Lives.	Came	The exam is civ and not
Sixth	One ho	Applications of .artificial intellige	Application of AI.	Came	The exam is civ and not
Seventh	One ho	Artificial Intelligence and .Society	AI and Society.	Came	The exam is civ and not
Eighth	One ho	Challenges of .artificial intellige	Ethical challenges in AI.	Came	The exam is civ and not
Ninth	One ho	The future of .artificial intellige	The Future of AI.	Came	The exam is civ and not
11. Course Assessment					
Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc					
12. Learning and Teaching Resources					
Required Textbooks (Methodology, if any)			The curriculum approved by the Ministry of Higher Education and Scientific Research according to the book number: TM 3/11009 on 9/10/2024.		
Main References (Sources)			Internet.		
Recommended books and supporting references (scientific journals, reports...)			Scientific articles and research in this aspect.		
Electronic References, Websites			https://academy.hsoub.com/programming		

Course Description Template(4)

1. Course Name:
Physiology
2. Course Code
MTIK 106
3. Chapter/
First Year 2024-2025

4. Date of this description

23-11-2024

2. Available Forms of Attendance

Came

3. Number of Credit Hours (Total) / Number of Units (Total)

(2n) (2p) / (4)

4. Course Objectives

Course Objectives

1. Definition of Physiology
2. Classification of tissue types.
3. Blood, red blood cells, white blood cells, small blood.
4. Cardiovascular system
5. Respiratory system.
6. Gastroincontinence.
7. Urinary System
8. Nervous System
9. Endocrinology
10. Muscular system

5. Teaching and Learning Strategies

Cooperative Education

1. **Description:** Students are encouraged to work in small groups, which promotes the exchange of knowledge and ideas.
2. **Benefit:** Enhances communication and teamwork skills, and allows students to learn from each other.
3. **Active Learning**
4. **Description:** Includes activities that require students to actively participate, such as discussions, hands-on experiences, and presentations.
5. **Interest:** Increases students' motivation and enhances their ability to apply theoretical concepts in practical contexts
6. **Inductive Teaching Strategy**
7. **Description:** This strategy starts by providing specific examples and then moves on to general rules.
8. **Benefit:** Helps students discover concepts on their own, which enhances understanding.
9. **Use of technology**
10. **Description:** Integrate technology tools such as simulations and interactive tutorials.
11. **Benefit:** It provides immersive learning experiences and helps students better understand complex processes.
12. **Brainstorming Strategy**
13. **Description:** Encourages students to think freely and generate new ideas on a particular topic.
14. **Benefit:** Promotes creativity and helps develop critical thinking skills.
15. **Continuous Evaluation**
16. **Description:** It involves periodic performance appraisals rather than relying solely on final exams.
17. **Benefit:** Helps teachers identify students' strengths and weaknesses and provide appropriate support.
18. **Self-paced learning**
19. **Description:** Students are encouraged to take responsibility for their own learning through research and self-study.
20. **Benefit:** Enhances students' independence and increases their ability to learn for life
21. **Clinical Physiology** is a vital field that integrates basic scientific principles with practical applications in the care of
22. patients. Effective strategies in clinical physiology focus on promoting learning, assessment, and patient management.
23. The following are key strategies drawn from current literature and practice.

- 24. Competency-based learning and assessment**
- 25. Competency-based education in clinical physiology emphasizes the development specific and episodic competencies among medical students. This approach includes:**
- 26. Theoretical and Practical Tests: Students undergo theoretical assessments (e.g., multiple choice questions) and practical assessments through simulated medical consultations. This dual approach ensures that they acquire the necessary knowledge and skills.**
- 27. Engaging students in role-playing simulates real-life scenarios, enhancing their communication skills and understanding of doctor-patient interactions. This method promotes an integrated view of their competencies, and encourages continuous improvement.**

6. Course Structure

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	2 Theoretical + 2 Practical	The Concept of Physiology	The basics of life and the cell, its components, types and basic functions	Lecture	Daily + Monthly Exam
2	2 Theoretical + 2 Practical	Definition of Blood	Blood Components. Plasma Hemoglobin molecule Blood clotting factors Blood types	Lecture	Daily + Monthly Exam
3 + 4+5	2 Theoretical + 2 Practical	Circulation device	Cardiovascular Structure Types of Valves Sounds of the heart Cardiac circulation Heartfelt Presentation blood pressure	Lecture	Daily + Monthly Exam
6+7	2 Theoretical + 2 Practical	Respiratory system	Its main functions Top of the device Bottom of the device Layers of the lungs Types and mechanics of breathing Types of Pulmonary Ventilation	Lecture	Daily + Monthly Exam

			Respiratory volumes Pulmonary-respiratory capacities Capacitance Meter How to calculate capacities		
8+9	2 Theoretical + 2 Practical	Nervous system	Neurons and types of nerves Central nervous system (brain and spinal cord) Peripheral nerves in the body Autonomic nervous system and its functions, Neurochemical Transporters Cerebral meninges Meningeal layers	Lecture	Daily + Monthly Exam
10+11	2 Theoretical + 2 Practical	Digestive system	Digestive Structure Digestion and its types Salivary glands Stomach and its sections Stomach enzymes that aid digestion Pancreas and its enzymes Pancreatic hormones Small intestine Absorption and Absorption Factors Large intestine Liver Bile cyst Bile Canal	Lecture	Daily + Monthly Exam
12+13	2 Theoretical + 2 Practical	Urinary Reproductive	Components and functions of the urinary system Anatomical Structure of the Kidney Installation and functions of the ovary Renal filtration Reabsorption Secretion Male reproductive system Female reproductive system	Lecture	Daily + Monthly Exam
14	2 Theoretical + 2 Practical	Endocrine	Introduction to the endocrine system and hormones. Mechanistic effect on target cells in the body Structure of the thyroid gland and parathyroid gland Adrenaline and vital functions in the body Pituitary gland	Lecture	Daily + Monthly Exam

15	2 Theoretical + 2 Practical	Muscular system	Muscles and their types Muscle contraction Muscle Diastasis	Lecture	Daily + Monthly Exam
7.Course Evaluation					
Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc					
8.Learning and Teaching Resources					
Required Textbook (Methodology, if any)					
Main References (Sources)		TEXTBOOK OF MEDICAL PHYSIOLOGY			
Recommended books and supporting references (scientific journals, reports...)					
,Electronic Websites		Referen https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/cfrsearch.cfm?fr=155.194			

Course Description Template(5)

This course description provides a brief summary of the most important course features and learning outcomes expected of the student to achieve demonstrating whether they have made the most of the available learning opportunities. It should be linked to the description of the program.

Ministry of Higher Education and Scientific Research/ Northern Technical University/ Technical Institute/ Kirkuk	1. Educational Institution
Community Health Technologies	2. Scientific Department / Center
General anatomy	3. Course Name/Code
Came	4. Available Forms of Attendance
System of Regulations	5. Semester/Year
2 theoretical + 2 practical per week 4×15 = 60 hours per year	6. Number of Hours (Total)
18 /12/ 2024	7. Date of this description
8. Course Objectives	

- 1) Recognize the anatomy of the skeletal and muscular system and the rest of the body's systems.
- 2) Identify the types of long and short bones in the human body, and the upper and lower limbs.

9. Learning Outcomes, Teaching, Learning and Assessment Methods

- 1 – Paying attention to physical therapy.
2. Dealing with the patient to give treatments and draw blood and body fluid samples based on the anatomical section of the body

B. Course Specific Skills Objectives

- B1 – Assisting in the adjustment of the patient lying in the lobbies.
B2 – Providing assistance to the patient during ECG examinations.

10. Teaching and learning methods

1. The lecture
2. Case Studies
3. Seminars
5. Summer training

11. Evaluation methods

- 1) Seminars and reports
- 2) Daily assessment
- 3) First semester exam.
- 4) Second semester exam.
- 5) Final exams.

C. Emotional and Value-Based Goals

- A1- Maintains the patient's health secrets.
C2- Develops his relationship with his colleagues.

- d. General and qualifying skills transferred (other skills related to employability and personal development).
D1. Providing assistance to the patient and medical staff.

Course Description Template(6)

1. Course Name

Chemistry Clinical

2. Course Code

3. Semester/Year

Second Semester 2024/2025

4. Date of this description

4/2/2025

5. Available Forms of Attendance

Came

6. Number of Credit Hours (Total) / Number of Units (Total)

2 hours theoretical + 3 hours practical, 5 units

7. Course Objectives

Course Objectives

1. Identify diseases related to clinical chemistry and how to diagnose them
- 2- Understand the mechanism of the disease, its causes and how to diagnose it
- 3- Understanding the external influences on the onset of diseases
- 4- Theoretical and practical application of disease diagnosis methods through the use of advanced methods
5. Analyze the results obtained and compare them with the results of the standard

8. Teaching and Learning Strategies

Strategy

1. Identify the types of diseases and how to diagnose them.
2. Identify the most important injuries and symptoms of the disease and how to treat them
3. The student learns how to draw blood and methods of preserving sample.
4. Student Handbook on Operating Clinical Chemistry Testing Devices
- 5- The student learns how to analyze the results and compare them with correct results.

9. Course Structure

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	2 Theoretical 3 Practical	Introduction to Clinical Chemistry - Laboratory supplies - Separation techniques - Sample types Disposal of hazardous materials	Introduction to Clinical Chemistry	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations
2&3	2 Theoretical 3 Practical	body fluids (Milk, Cerebrospinal Fluid, Blood and Urine) Me. Blood - Configuration and Functions - Blood clotting and hemolysis - Preventing blood clotting	body fluids	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations

		- Hemolysis. - Secondly. urine - Formation - Secretion - Normal and abnormal urine intake -urinalysis (Physical and Chemical Properties)			
4	2 Theoretical 3 Practical	- Electrolyte disorder (sodium, potassium, iron, calcium, chloride) - Kidney function test • Kidney function • Evaluation of kidney function tests • KFTs component Routine Kidney Function Tests	Electrolyte & Kidney Disorder	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations
5 & 6	2 Theoretical 3 Practical	Plasma proteins • Types of protein abnormalities • Protein in other body fluids • Protein measurement methods • Non-protein nitrogen compounds (Urea, Creatinine, Uric Acid, Ammonia) Urea cycle disorder	Plasma proteins	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations
7 & 8	2 Theoretical 3 Practical	Enzymes Clinical Enzymology - □ (ALT, AST, GGT, ALP, ACP) - Enzymatic profile in liver disease - Enzymatic markers of heart disease - Amylase and lipase - Liver function test - Main Liver Function - Liver function test classification - Signs of hepatic dysfunction - Test based on the artificial function of the liver - Serum enzyme-based test	Enzymes	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations

		Hepatitis Disease Test			
9 & 10	2 Theoretical 3 Practical	Carbohydrates • Types of carbohydrates and how they are measured in the blood • High blood sugar • Hypoglycemia • Hormonal regulation of the body's carbohydrate level • Normal plasma glucose level and clinical significance - Diabetes and metabolic syndrome Laboratory Screening for Diabetes	Carbohydrates	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations
11	2 Theoretical 3 Practical	fats - General Lipoprotein - Lipid-related diseases - Plasma lipoprotein - Types and Importance Lipid profile	fats	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations
12&13	2 Theoretical 3 Practical	hormone -Disorders: - Hypothalamus and pituitary hormones - Steroid hormones - Thyroid hormones - Pancreas and gastrointestinal tract - Pregnancy hormone Hormone Assessment (RIA & ELISA)	hormone	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations
14	2 Theoretical 3 Practical	Nucleotides - Cancer – Differentiation of cells, carcinogens, and cancer treatment - Tumor markers - Free radicals - Clinical Significance (Liposid Peroxidation)	Nucleotides	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations
15	2 Theoretical 3 Practical	Vitamins and minerals - Power requirements - Risk of malnutrition - Obesity - Glycemic index Toxic substance in food	Vitamins and minerals	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations
10. Course Evaluation					

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc	
11. Learning and Learning Resources	
Required Textbooks (Methodology, if any)	Lininger biochemistry Harper Biochemistry
Main References (Sources)	
Recommended books and supporting references (scientific journals, reports...)	Lipincotts biochemistry
Electronic References, Websites	http://www.webmd.com/biochemistry%20&#x201d;proteins-enzymes-disease-and-ra

Course Description Template(7)

1. Course Name:					
English					
2. Course Code					
NTU 101					
3. Semester/Year					
2025 Chapter Two					
4. Date of this description					
25/10/2024					
5. Available Forms of Attendance					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2/2					
7. Course Objectives					
Course Objectives	- The student should grow up loving the English language and learning its vocabulary - Refreshing the student's knowledge of the English language from - To achieve success - Professional & Personal - Refine the student's reading and writing skills - Speaking and listening				
8. Teaching and Learning Strategies					
Strategy	Lecture Strategy Following the method of dialogue between the teacher and student and summarizing the information and ideas in points				
9. Course Structure					
The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method

1	2	Learn the basics of the English language	Basics of English	Discussion and Lecture Method	Oral Test
2	2	Recognize the parts of speech in the English language	Parts of speech	Discussion and Lecture Method	Oral Test
3	2	Recognizing pronouns in English and distinguishing plural and singular	Pronouns	Discussion and Lecture Method	Oral Test
4	2	Recognizing pronouns in English and distinguishing plural and singular	Pronouns	Discussion and Lecture Method	Written test
5	2	Identifying and Collecting Names in English	Names	Discussion and Lecture Method	Oral Test
6	2	Recognizing verbs in English	Acts	Discussion and Lecture Method	Oral Test
7	2	Recognizing adjectives in English	epithets	Discussion and Lecture Method	Oral Test
8	2	Recognizing Circumstances in English	Circumstances	Discussion and Lecture Method	Oral Test
9	2	Recognizing prepositions in English	Prepositions	Discussion and Lecture Method	Oral Test
10	2	Learn about linkages in English	Fastening Tools	Discussion and Lecture Method	Oral Test
11	2	Recognize input in English	Input	Discussion and Lecture Method	Oral Test
12	2	Knowledge and denial in English	Knowledge and denial	Discussion and Lecture Method	Oral Test
13	2	Recognize the tenses in the English language and the rules of each time	Tenses	Discussion and Lecture Method	Oral Test
14	2	Recognize abbreviations in English and how to write them	abbreviations	Discussion and Lecture Method	Oral Test
15	2	Learn how to describe the condition in English	Description of the condition and symptoms	Discussion and Lecture Method	Oral Test
16	2	Learn the basics of English pronunciation and pronunciation	Basics of Pronunciation and Pronunciation	Discussion and Lecture Method	Oral Test

10. Course Evaluation

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc

11. Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Shehdeh Fareh and Inaam Hamadi (2017). English for Medicine Health Science. Elsevier.
Main References (Sources)	
Recommended books and supporting references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Template(8)

1. Course Name					
Safety of Laboratories and Workshops					
2. Course Code					
MTIK 108					
3. Semester/Year					
Second Semester of the Academic Year 2024-2025					
4. Date of this description					
2025/2/2					
5. Available Forms of Attendance					
Came					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 Theoretical Hours / 2 Total Units					
7. Course Objectives					
Course Objectives				- Introducing the student to occupational and laboratory hazards on - Workers' Health - Enabling students to prevent occupational hazards in laboratories and workshops	
8. Teaching and Learning Strategies					
Strategy		1. Active Learning 2. Teaching using modern technologies 3. Interactive Education and Discussions			
9. Course Structure					
The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
First	2 Theoretical	Laboratory Equipment - Safety Conditions Safety Precautions Chemicals Glassware - Electrical Appliance Hazards	Basic Equipment in Laboratory - Safety Precautions Working Laboratories	Lecture	width Introduction, Explanation, Questions Answers.
Second	2 Theoretical 3 Practical	- Fires and their types Fire Prevention	conflagrations	Lecture	Presentation, Explanation, Questions Answers.

Third	2 Theoretical 3 Practical	Fire extinguishers - means Fire alarm	conflagrations	Lecture	Presentation, Explanation, Questions Answers.
Fourth	2 Theoretical 3 Practical	Types and Importance of Fire Extinguishers	conflagrations	Lecture	Presentation, Explanation, Questions Answers.
V	2 Theoretical 3 Practical	Types of equipment and conditions PPE	Personal Protective Equipment	Lecture	Presentation, Explanation, Questions Answers.
Sixth	2 Theoretical 3 Practical	Types of equipment and conditions PPE	Personal Protective Equipment	Lecture	Presentation, Explanation, Questions Answers.
Seventh	2 Theoretical 3 Practical	Chemical hazards and how to deal with them Types of chemicals	Chemical hazards	Lecture	Presentation, Explanation, Questions Answers.
Eighth	2 Theoretical 3 Practical	Sources, types and benefits of radiation	Radiological hazards	Lecture	Presentation, Explanation, Questions Answers.
Ninth	2 Theoretical 3 Practical	Classification of biohazard levels	Biological hazards	Lecture	Presentation, Explanation, Questions Answers.
X	2 Theoretical 3 Practical	Definition, types and methods of disposal	Laboratory Waste Disposal	Lecture	Presentation, Explanation, Questions Answers.
eleventh	2 Theoretical 3 Practical	Definition, types and methods of disposal	Laboratory Waste Disposal	Lecture	Presentation, Explanation, Questions Answers.
Twelfth	2 Theoretical 3 Practical	Types of warning signs	Warning Signs Laboratories	Lecture	Presentation, Explanation, Questions Answers.

Third ten	2 Theoretical 3 Practical	The Importance First Aid - First Aid Contents	First Aid Laboratories	Lecture	Presentation, Explanation, Questions Answers.
Fourth ten	2 Theoretical 3 Practical	Tips for Handling Chemicals in Laboratory	Chemicals	Lecture	Presentation, Explanation, Questions Answers.
V ten	2 Theoretical 3 Practical	Such as physical hazards – their type	Environmental factors	Lecture	Presentation, Explanation, Questions Answers.

10. Course Evaluation

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc

11. Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Lectures Provided by the Teaching
Main References (Sources)	Methodological Book Series
Recommended books and supporting references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Template(9)

1. Course Name:
Medical Terminology
2. Course Code
MTIK 109
3. Semester
First Year 2024-2025
4. Date of this description
23-11-2024
5. Available Forms of Attendance:
First Level Students
6. Number of Hours (Total)/
Number of Units (Total) / (2n) / (2)
7. Course Objectives

Course Objectives	- At the end of the academic year, the student will be able to familiarize himself with the definition of the term and medicine and medical terminology. - The student will be able to recognize the basic structure of the word. - To learn the medical terminology of the organs of the human body
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8. Teaching and Learning Strategies

9. Strategy	- Qualification to work in health inspection and control teams and assistance in laboratory investigation of tested samples - and the extent to which they comply with health conditions
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10. Course Structure

	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
	Theoretical 2	Introduction to Medical Terminology	Introduction to Medical Terminology	Lecture	+ Exam Yumi Citizen + Nahai
	2 Theoretical	Basic Structure of the Word	Basic Structure of the Word	Lecture	+ Exam Yumi Citizen + Nahai
	2 Theoretical + 2 Practical	Root	Root	Lecture	+ Exam Yumi Citizen + Nahai
	2 Theoretical	Prefix	Prefix	Lecture	+ Exam Yumi Citizen + Nahai
	2 Theoretical	Subsequent	Subsequent	Lecture	+ Exam Yumi Citizen + Nahai
	2 Theoretical	Base of combining vowels	Base of combining vowels	Lecture	+ Exam Yumi Citizen + Nahai

	oreti cal				
	2 The oreti cal	Forms of the plural	Forms of the plural	Lecture	+ Exam Yumi Citizen + Nahai
	2 The oreti cal	Medical Terminolog y and Pathology	Medical Terminol ogy and Patholog y	Lecture	+ Exam Yumi Citizen + Naha
	2 The oreti cal	Cardiovasc ular System Terminolog y The terminolog y of the nervous system	Cardiova scular System Terminol ogy and Terminol ogy of the nervous system	Lecture	+ Exam Yumi Citizen + Naha
	2 The oreti cal	Dental terminolog y, mouth and face area	Dental terminolo gy, mouth and face area	Lecture	+ Exam Yumi Citizen + Naha
	2 The oreti cal	Blood and lymphatic system terminolog y	Blood and lymphatic system terminolo gy	Lecture	+ Exam Yumi Citizen + Naha
	2 The oreti cal	Gastrointes tinal Terminolog y Urinary System Terminolog y	Gastroint estinal Terminol ogy Urinary System Terminol ogy	Lecture	+ Exam Yumi Citizen + Naha
	2 The oreti cal	Respiratory Terminolog y	Respirato ry Terminol ogy	Lecture	+ Exam Yumi Citizen + Naha
	2 The oreti cal	Situation and Trend Terminolog y	Situation and Trend Terminol ogy	Lecture	+ Exam Yumi Citizen + Naha

	2 The oretical	Musculoskeletal System Terminology	Musculoskeletal System Terminology	Lecture	Exam Yumi + Citizen + Naha
12. Course Evaluation					
13. Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc					
14. Learning and Teaching Resources					
15. Books Required Curriculum, Methodology (if any)	1. Medical Terminology: A Living Language (4th Edition) Softcover Fremgen, Bonnie F.; Frucht, Suzanne S. 2. Quick & Easy Medical Terminology A Paperback edition by Peggy C. Leonard in English (2 Nov 2023).				
16. Main References (Sources)					
17. Recommended books and supporting references (scientific journals, reports...)					
18. Electronic References, Websites	• https://www.schulich.uwo.ca/pathol//about_us/resources/glossary_of_medical_terms.html				

Course Description Template(10)

1. Course Name: principle of Nursing	
principle of Nursing	
2. Course Code:	
CHT110	
3. Semester / Year: FIRST	
First semester/ 2025-2024	
4. Description Preparation Date:	
23/2024 /10/	
5. Available Attendance Forms:	
a. Attendance	
6. Number of Credit Hours (Total) / Number of Units (Total)	
a. 2 hours theory, 2 hours practical. Number of units: 4	
7. Course Objectives	
Course Objectives	• Gaining basic knowledge: Introducing students to the basic concepts and principles of the nursing profession and its role in promoting community health. • Developing practical skills: Training students in basic nursing skills to provide safe and effective health care.

	Enhancing critical thinking: Enable students to analyze patients' needs and make decisions based on scientific and ethical foundations.				
8. Teaching and Learning Strategies					
Strategy	- Interactive lectures: Using presentations, discussions and case studies to explain key concepts and encourage participation. - Practical training: Implementing practical applications in laboratories and simulations to develop basic nursing skills. - Case studies: Providing realistic scenarios to analyze and link theoretical knowledge to practical application to enhance critical thinking				
9. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 hours theoretical 2 hours practical	Introduce students to the basic concepts of health, patient, illness and hospital. Explain the role of nursing basic in providing health care. Apply basic concepts in nursing practice	Introduction ,defining of fundamental of Nursing health, patient, disease, hospital. Nursing	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports
2	2 hours theoretical 2 hours practical	Identify the patient's basic needs related to personal hygiene and proper nutrition. Apply nursing skills to provide the necessary care to improve the patient's personal hygiene and ensure healthy nutrition. Assess the patient's condition to ensure that his basic needs are met and that his comfort and safety achieved.	Patient basic need ,{hygiene and nutrition }	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports
3	2 hours theoretical 2 hours practical	Understand the importance of vital signs, especially temperature, in assessing the patient's health status. Learn how to measure temperature using various devices (such as digital or	Vital signs, temperature.	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports

		mercury thermometers). Interpret readings and know how to determine normal and abnormal temperatures, and understand the implications of each case. Apply appropriate nursing procedures to deal with changes in the patient's temperature, such as fever or hypothermia.			
4	2 hours theoretical 2 hours practical	They are the importance of measuring blood pressure in assessing the patient's health and diagnosing conditions related to it. Learn techniques for measuring blood pressure using manual devices (pressure gauge) and digital devices. Interpret blood pressure readings and know the difference between normal, high and low values. Apply appropriate nursing procedures to deal with high or low blood pressure and provide the necessary care to the patient.	Vital signs, blood pressure.	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily posts, final semester exams, weekly reports
5	2 hours theoretical 2 hours practical	Understand the importance of measuring respiration and pulse in assessing the patient's health condition and diagnosing respiratory or cardiac disorders. Learn pulse and respiration measurement techniques, including determining pulse and respiration rates and	Vital signs, respiration and pulse.	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily posts, final semester exams, weekly reports

		using appropriate devices (such as a pulse oximeter or stethoscope). Interpret readings of respiration and pulse rates and identify the indications of an increase or decrease in these rates. Apply appropriate nursing procedures to deal with changes in pulse and respiration, such as acceleration or deceleration, and ensure the patient's comfort.			
6	2 hours theoretical 2 hours practical	Understand the concept of sterilization and the importance of its use in preventing infection in healthcare. Know the types of disinfectants and their different uses in sterilizing medical tools and equipment. Learn different sterilization techniques (such as steam sterilization, dry heat sterilization and chemical sterilization) and how to apply them correctly. Apply sterilization procedures to ensure a healthy and safe environment in hospitals and other healthcare facilities.	Sterilization, types of antiseptic, Aseptic technique	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports
7	2 hours theoretical 2 hours practical	Understand the importance of bandages and their uses in treating wounds and preventing infection. Learn techniques for applying bandages correctly on various types of wounds to ensure proper healing and prevent infection.	Dressing, hand washing,	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports

		Understand the importance of hand washing as a basic measure to prevent infection in healthcare settings. Apply correct hand washing techniques using soap and water or alcohol-based sanitizers to ensure personal hygiene.			
8	2 hours theoretical 2 hours practical	Understand the types of medications and their uses in treating various health conditions. Know the different methods of administering medications (such as oral, injection, intravenous, intramuscular) and choose the most appropriate method according to the patient's condition. Learn techniques for administering medications safely and effectively to ensure compliance with treatment and prevent medication errors. Monitor the effects of medications on the patient and provide the necessary care in the event of side effects.	Medication, ways of drug administration	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports
9	2 hours theoretical 2 hours practical	Understand the concept of intravenous infusion and the importance of its use in providing medications and solutions to the patient quickly and effectively. Learn the techniques for intravenous infusion correctly, including determining the appropriate location for needle	Injection, types of parenteral.	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports

		insertion, and ensuring safety during the procedure. Know the types of medications and solutions that are given intravenously and understand the potential effects on the patient. Monitor the patient after intravenous infusion to ensure the body's proper response and prevent any complications or side effects.			
10	2 hours theoretical 2 hours practical	Understand the concept of unconsciousness and the various causes of unconsciousness such as shock, poisoning, or illness. Learn first aid techniques to assess the condition of an unconscious patient such as checking breathing and pulse. Practice rescue breathing technique or Cardiopulmonary resuscitation (CPR) in the event of respiratory or cardiac arrest in an unconscious patient. Know the procedure to be taken to transport the patient safely to the hospital or provide the necessary medical support in cases of loss of consciousness.	First Aid, unconscious.	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily posts, final semester exams, weekly reports
11	2 hours theoretical 2 hours practical	Understand the types of burns (thermal, chemical, electrical) and their causes and effects on the body. Learn first aid techniques for burns such as cooling the burned area, covering	First aid, burns	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily posts, final semester exams, weekly reports

		the wound, and preventing infection. Monitor the severity of the burn and classify it (mild, moderate, severe) and take the necessary measures based on the degree of burn. Know how to deal with chemical or electrical burns and take appropriate safety measures to avoid worsening the injury.			
12	2 hours theoretical 2 hours practical	Understand the types of bleeding (external, internal, arterial, venous) and their causes and effects on the body. Learn first aid techniques to stop bleeding, such as direct pressure on the wound, elevating the affected limbs, and using a pressure bandage. Monitor the patient's condition during bleeding to determine the severity of the bleeding and ensure that the condition is stable until medical assistance arrives. Know how to deal with severe bleeding in emergency situations and take the necessary measures to prevent shock or death.	First aid, bleeding .	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily posts, final semester exams, weekly reports
13	2 hours theoretical 2 hours practical	Understand the types of fractures (closed, open, complex), the causes and effects on tissues and bones. Learn first aid techniques to treat fractures, such as immobilizing the injured area using splints or bandages and preventing	First aid , fractures .	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily posts, final semester exams, weekly reports

		excessive movement. Monitor the patient for signs of shock or poisoning in the case of complex or open fractures. Know how to deal with fractures in emergency situations and ensure that the injured person is transported to the hospital safely to receive appropriate medical care.			
14	2 hours theoretical 2 hours practical	Understand the types of shock (hemorrhagic shock, cardiogenic shock, neurological shock, etc.) and their causes and effects on the body. Learn first aid techniques to deal with shock, such as placing the patient in a lying position, raising the legs, and ensuring warmth. Monitor the patient's vital signs (such as pulse, breathing, blood pressure) to determine the severity of the shock and take the necessary measures. Knowing how to deal with shock in emergency situations and providing medical support.	Shock	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily posts, final semester exams, weekly reports
15	2 hours theoretical 2 hours practical	Understand the importance of suctioning secretions in healthcare to maintain an open airway and ensure proper breathing for patients. Learn techniques for suctioning secretions using a suction device, including determining the correct location and	Suction of secretion	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily posts, final semester exams, weekly reports

		depth of tube insertion. Monitor the patient's condition during and after suctioning to ensure improved breathing and avoid causing injury or complications. Understand the types of secretions (such as mucus or phlegm) and how to manage them according to the type of secretion and the patient's condition.			
10. Course Evaluation					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc					
11. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			Fundamentals of Nursing		
Main references (sources)			Book (Fundamentals of Nursing) author :Patricia A. Potter و Anne Griffin Perry		
Recommended books and references (scientific journals, reports...)			Principles of Nursing in Health Care		
Electronic References, Websites			International Nursing Review, Public Health Nursing Journal		

Course Description Sample (11)

1. Course Name	
Community Health Services	
2. Course Code	
CHT 111	
3. Semester/Year	
Second Semester of the Academic Year 2024-2025	
4. Date of this description	
2/2/2025	
5. Available Forms of Attendance	
a. Came	
6. Number of Credit Hours (Total) / Number of Units (Total)	
a. 2 Hours Theoretical + 3 Hours Practical / 5 Total Units	
7. Course Objectives	
Course Objectives The aim of this course is to provide knowledge, change attitudes towards health and acquire new skills. After completing this course:	The student must acquire the skills required to plan and implement effective health programs that are essential for the delivery of all the health services in the curriculum.

1. The student should be able to learn about the various important community health services that should be provided to the needy population. 2. The student should acquire knowledge regarding principles and recommendations of each health service provided in the curriculum.	Must. The student should be able to evaluate existing health services by comparing them with the principles mentioned in the guidelines and recommendations.
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8. Teaching and Learning Strategies

Strategy	1. Active Learning 2. Teaching using modern technologies 3. Interactive Education and Discussions
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9. Course Structure

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
First	2 Theoretical 3 Practical	Healthcare Levels- Health Center - Activities What is different from hospital	Healthcare	Lecture	Presentation Explanation, Questions And answers discussion
Second	2 Theoretical 3 Practical	- Primary Health Care Sponsorship Programs Primary Health- Goals and Strategies	Primary Health Care	Lecture	Presentation, Explanation, Questions Answers.
Third	2 Theoretical 3 Practical	Primary Health Care Goals and Strategies	Primary Health Care	Lecture	Presentation, Explanation, Questions Answers.
Fourth	2 Theoretical 3 Practical	Maternal and Child Care - Objectives - Importance -	Maternity Care	Lecture	Presentation, Explanation, Questions Answers.
V	2 Theoretical 3 Practical	Health Services Provider Important Tests - Risk Factors	Maternity Care	Lecture	Presentation, Explanation, Questions Answers.
Sixth	2 Theoretical 3 Practical	Child Health - Newborn Screening	Child Health	Lecture	Presentation, Explanation, Questions Answers.
Seventh	2 Theoretical 3 Practical	Reproductive Health Program – Family Planning Introduction.Objectives. Types Methods Administration	Reproductive Health	Lecture	Presentation, Explanation, Questions Answers.

Eighth	2 Theoretical 3 Practical	Vaccines – Introduction Passive Vaccine Act Vaccine – Routine Vaccin Immunity – Forms	Vaccines	Lecture	Presentation, Explanation, Questions Answers.
Ninth	2 Theoretical 3 Practical	Expanded Vaccine Program/Emergency Campaigns for Outbreak and Why They're Be Added	Vaccine Program	Lecture	Presentation, Explanation, Questions Answers.
X	2 Theoretical 3 Practical	Childhood Disease Included in Immunization Program	Childhood Diseases	Lecture	Presentation, Explanation, Questions Answers.
eleventh	2 Theoretical 3 Practical	Causes – Symptoms Prevention Methods	Childhood Diseases	Lecture	Presentation, Explanation, Questions Answers.
Twelfth	2 Theoretical 3 Practical	Breastfeeding its bene for the mother and child – problem – formula feeding its disadvantages. Weaning Types. When and how weaning begins	Breastfeeding	Lecture	Presentation, Explanation, Questions Answers.
Thirteenth	2 Theoretical 3 Practical	Diarrhea in children - causes - types - how avoid and prevent it	Diarrhea	Lecture	Presentation, Explanation, Questions Answers.
Fourteenth	2 Theoretical 3 Practical	Symptoms – Prevention Treatment. Early diagnosis of breast cancer. Definition Danger Signs. Symptom Diagnostic methods	Breast Cancer	Lecture	Presentation, Explanation, Questions Answers.
Fifteenth	2 Theoretical 3 Practical	Other vaccinations are mandatory (for the elderly, medical and health professionals, animal veterinarians, airline handlers, travel agents, restaurant workers).	Other vaccinations	Lecture	Presentation, Explanation, Questions Answers.

10. Course Evaluation

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc

11. Learning and Teaching Resources

Required Textbooks (Methodology, if any)	
Main References (Sources)	
Recommended books and supporting references (scientific journals, reports...)	

Course Description Template(12)

1. Course Name					
Microbiology					
2. Course Code					
CHT 112					
3. Semester/Year					
First Semester of the Academic Year 2024-2025					
4. Date of this description					
23/11/2024					
5. Available Forms of Attendance					
a. Came					
6. Number of Credit Hours (Total) / Number of Units (Total)					
a. 2 hours theoretical + 3 hours practical + 5 total units					
7. Course Objectives					
Course Objectives		• Identification of microorganisms.... • ... Medical Applications. • The importance of awareness of biological safety.			
8. Teaching and Learning Strategies					
Strategy		4. Active Learning 5. Teaching using modern technologies 6. Interactive Education and Discussions			
9. Course Structure					
The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
First	2 Theoretical 3 Practical	Definition of Microbiology Modesty Branches of Microbiology Definition of Medical Biology Branches of Medical Biology	Microbiology	Lecture	Presentation ,Explanation, Questions Answers.
Second	2 Theoretical 3 Practical	Cell Difference Between Animal and Plant Cell General structure of bacterial cell	Bacterial structure	Lecture	Presentation ,Explanation, Questions Answers.
Third	2 Theoretical 3 Practical	General structure of bacterial cell	Structure growth bacteria	Lecture	Presentation ,Explanation, Questions

		Physical factors that affect the growth of bacteria Bacterial Growth Curves			Answers.
Fourth	2 Theoretical 3 Practical	Infection Classification of infection Source of infection Spread of infectious diseases	Infection	Lecture	Presentation, Explanation, Questions Answers.
V	+ Theoretical Practical 3	Staphylococcus Streptococcus Pneumococcus	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
Sixth	+ Theoretical Practical 3	Neisseria Bacillus	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
Seventh	+ Theoretical Practical 3	Mycobacteria Clostridium	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
Eighth	+ Theoretical Practical 3	Bacillus Enterobacteriaceae	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
Ninth	+ Theoretical Practical 3	Escherichia coli Salmonella	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
X	+ Theoretical Practical 3	Shigella Proteus	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
eleventh	+ Theoretical Practical 3	Brucella Bordetella	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
Twelfth	+ Theoretical Practical 3	Vibrio cholera	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
Thirteenth	2 Theoretical 3 Practical	Symptoms and Diagnosis of Food poisoning	Food poisoning	Lecture	Presentation, Explanation, Questions Answers.

Fourth ten	2 Theoretical 3 Practical	Mycology Diagnosis of fungus Classification of fungus	Fungus	Lecture	Presentation, Explanation, Questions Answers.
V ten	2 Theoretical 3 Practical	Virology Morphology of viruses Bacteria	Viruses Bacteria	Lecture	Presentation, Explanation, Questions Answers.
10. Course Evaluation					
Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc					
11. Learning and Teaching Resources					
Required Textbooks (Methodology, if any)					
Main References (Sources)				MEDICAL MICROBIOLOGY ,jawetz	
Recommended books and supporting references (scientific journals, reports...)					
Electronic References, Websites					

Course Description Template(13)

1. Course Name	
Chemistry is life	
2. Course Code	
CHT 113	
3. Semester/Year	
First Semester 2024/2025	
4. Date of this description	
23/11/2024	
5. Available Forms of Attendance	
Came	
6. Number of Credit Hours (Total) / Number of Units (Total)	
a. 1 hour theoretical, 3 hours practical number of units 4	
7. Course Objectives	
Course Objectives	- Understand the basic principles of biochemistry and the study of biological structures: such as proteins, nucleic acids, carbohydrates, and lipids, and understand the role of each in biological processes. - Teaching chemical analysis techniques: such as methods of separating and analyzing biological components using laboratory instruments - Application of biochemistry in medicine and health sciences: such as diagnosing diseases, developing drugs, and understanding the effects of environmental and genetic factors on health
8. Teaching and Learning Strategies	

Strategy	- Biochemistry requires specialized learning strategies that combine theoretical understanding with practical application, because concepts in biochemistry are often complex and related to biobiological processes - Interactive Lectures: Use presentations, discussions, and practical case solving to explain key concepts and encourage participation. - Practical Training: Conducting Practical Tests in Laboratories
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9. Course Structure

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	1 Theoretical 3 Practical	Amino acids Amino acid classification and properties of amino acids General amino acid metabolism and ammonia formation Peptide synthesis	Amino acids	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participation
2	1 Theoretical 3 Practical	Proteins Protein structure, properties and classification Protein Function Metabolism and Nitrogen Balance Urea Cycle	Proteins	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participation
3	1 Theoretical 3 Practical	Enzymes Definition, General Characteristics and Classification Enzyme specificity Enzyme Catalysis and Active Site Factors affecting enzyme activity	Enzymes	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participation
4 & 5	1 Theoretical 3 Practical	Carbohydrates Definition, Classification and Biological Significance	Carbohydrates	Educational Lectures Presentations	Daily and Monthly Exam Daily Participation

		Carbohydrate metabolism - Glycolysis and glucose formation - Glycogenolysis and glycogen formation • Disaccharide and polysaccharide metabolism • Metabolic Cycle Energy		and group discussions	
6 & 7	1 Theoretical 3 Practical	fats Classification - Structure - Properties Function Neutral Fat (TAG) -warehousing - hydrolysis, - Saponification , - Rancidity and iodine count *Metabolism *Cholesterol - Function and metabolism * Lipoprotein structure	fats	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participation
8 & 9	1 Theoretical 3 Practical	Hormones Definition and Function Mechanism of action of the hormone Effect and characteristics of some hormones	Hormones	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participation
10 & 11	1 Theoretical 3 Practical	Nucleotides • Chemistry of nitrogenous bases, nucleosides, nucleotides, RNA & DNA • Degradation of purine,	Nucleotides	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participation

		pyrimidine and nucleotides Metabolic disorder of purine and pyrimidine • Free radicals - Definition, Generation - Free radical scavenger (enzyme system) • Antioxidants (definition and types)			
10. Course Evaluation					
Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc					
11. Learning and Teaching Resources					
Required Textbooks (Methodology, if any)					
Main References (Sources)					
Recommended books and supporting references (scientific journals, reports...)					
Electronic References, Websites					

Course Description Template(14)

1. Course Name:	
Community Health	
2. Course Code	
CHT 114	
3. Chapter/	
First Year 2024-2025	
4. Date of this description	
23-11-2024	
5. Available Forms of Attendance:	
First Level Students	
6. Number of Hours (Total) / Number of Units (Total)	
(2n) (3p) (5)	
7. Course Objectives	
Course Objectiv	- At the end of the academic year, the student will be able to familiarize him with the programs and concept of inspection. Health. - The student will be able to identify the foundations, rules and requirements the effectiveness of the inspection process. - Diagnose the health conditions and specifications that must be legally met in shops subject to the Health Control.
8. Teaching and Learning Strategies	
Strategy	Qualification to work in inspection and health control teams and assistar in laboratory investigation

	of the tested samples and their conformity with the health conditions
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9. Course Structure

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	2 Theoretical + 2 Practical	Introduction to Community Health	Definition of Health and Society and its Relationship to Public Health and its Areas What Includes Community Health – The Goal of Community Health	Lecture	+ Exam Yumi + Citizenship Nahai
2	2 Theoretical + 2 Practical	Disease	Causes – Factors that affect the disease (Cause, Host, Environment)	Lecture	+ Exam Yumi + Citizenship Nahai
3	2 Theoretical + 2 Practical	Types diseases	– The difference between infectious and chronic diseases	Lecture	+ Exam Yumi + Citizenship Nahai
4	2 Theoretical + 2 Practical	Prevention and control of disease	Introduction – Principles of Prevention – Levels Types of Control	Lecture	+ Exam Yumi + Citizenship Nahai
5	2 Theoretical + 2 Practical	Environment and its relationship to health	Environment and its relationship to health Healthy water - its qualities	Lecture	+ Exam Yumi + Citizenship Nahai
6	2 Theoretical + 2 Practical	Waterborne diseases	Waterborne Disease Causes of Air Pollution and Airborne Diseases	Lecture	+ Exam Yumi + Citizenship Nahai
7	2 Theoretical + 2 Practical	Waste and waste management	Waste and waste: the effects and how to dispose of them	Lecture	Exam Yumi + Citizenship Nahai+
8	2 Theoretical + 2 Practical	Population	Population	Lecture	+ Exam Yumi + Citizenship Nahai
9	2 Theoretical + 2 Practical	Health Promotion	The Concept of Health Promotion – Its Importance – and its Relationship to Health Awareness	Lecture	+ Exam Yumi + Citizenship Nahai
10	2 Theoretical + 2 Practical	Rural Health	Introduction	Lecture	+ Exam Yumi + Citizenship Nahai
11	2 Theoretical + 2 Practical	Rural Health	Its Services – Duties Its Problems	Lecture	+ Exam Yumi + Citizenship Nahai
12	2 Theoretical + 2 Practical	Public Health Services	Hospital Services	Lecture	+ Exam Yumi + Citizenship Nahai

13	2 Theoretical + 2 Practical	Health Service	Services managed by the Health Authority	Lecture	+ Exam Yumi + Citizen Nahai
14	2 Theoretical + 2 Practical	Health and disease measures and health service indicators	Health and disease measures and health service indicators – factors including the quality of the variable and the amount of the continuous variable	Lecture	+ Exam Yumi + Citizen Nahai
15	2 Theoretical + 2 Practical	Check amount of variable	Checking the amount of the variant – what does it mean by disease occurrence and prevalence – information collection errors	Lecture	Exam Yumi + Citizen Nahai
10. Course Evaluation					
Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc					
11. Learning and Teaching Resources					
Required Textbook (Methodology, if any)					
Key Reference(s)					
Recommended Books and Supporting References (Scientific Journals, Reports)					
Electronic Reference Websites		https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/cfrsearch.cfm?fr=155.194			

Course Description Template(15)

1. Course Name:	
Medical Microbiology	
2. Course Code:	
CHT 115	
3. Semester/Year:	
second semester / 2024-2025	
4. Description Preparation Date:	
3/2/2025	
5. Available Attendance Forms:	
Theoretical, Practical(2 theoretical hours + 3 practical hours / 5 hours total number of unit)	
6. Course administrator's name (mention all, if more than one name)	
7. Course Objectives	
Course Objectives	General objectives Student will be able to know a simple general

	idea about: Pathogens (Bacteria , fungi , parasites , and viruses), the immunity and disease prevention Special objectives : Student will be able to • To diagnose some simple cases in his fieldwork, instead of specialist, when specialist is absent. • Do some tests in the labs. • Collect, preserve and transport the pathogenic samples. • Give an advice for disease prevention and control
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8. Teaching and Learning Strategies

Strategy	Qualification to work within health inspection and control teams and assist in laboratory investigations of the examined samples and their conformity with health conditions
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9. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Blood flagellates , Leishmania	PowerPoint presentation with whiteboard explanation.	Quiz &oral Discussion & Assignments
2	2		Sporozoa , Plasmodium, Toxoplasma	PowerPoint presentatin with whiteboard explanation .	Quiz &oral Discussion & Assignments
3	2		Helimenthes , Taenia	PowerPoint presentatio n with whiteboard explanation .	Quiz &oral Discussion & Assignments
4	2		Echinococcus granulos	PowerPoint presentatio n with whiteboard explanation .	Quiz &oral Discussion & Assignments
5	2		Hymenolipes nana	PowerPoint presentatio n with whiteboard explanation .	Quiz &oral Discussion & Assignments
6	2		Trematoda helminths	PowerPoint presentatio n with	Quiz &oral Discussion & Assignments

				whiteboard explanation .	
7	2		Trepanoma , Schistosomes	PowerPoint presentation with whiteboard explanation .	Quiz &oral Discussion & Assignments
8	2		Bacterial genetics	PowerPoint presentatin with whiteboard explanation .	Quiz &oral Discussion & Assignments
9	2		Immunity and immune system	PowerPoint presentatin with whiteboard explanation .	Quiz &oral Discussion & Assignments
10	2		Antibody & antigen	PowerPoint presentatin with whiteboard explanation .	Quiz &oral Discussion & Assignments
11	2		Antibody & antigen reactions	PowerPoint presentation with whiteboard explanation .	Quiz &oral Discussion & Assignments
12	2		Hypersensitivity	PowerPoint presentatin with whiteboard explanation .	Quiz &oral Discussion & Assignments
13	2		Autoimmune diseases	PowerPoint presentation with whiteboard explanation .	Quiz &oral Discussion & Assignments
14	2		Discussion of course material	PowerPoint presentatin with whiteboard explanation .	Quiz &oral Discussion & Assignments

15	2		Discussion of course material	PowerPoint presentation with whiteboard explanation	Quiz & oral Discussion & Assignments
10. Course Evaluation					
11. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			Michael J. Leboffe. (2002). Microbiology: Laboratory Theory & Application, Brief 3e 3 rd Edition P.C. Trivedi, Sonali Pandey, Seema Bhaduria. 2010 TEXT BOOK OF MICROBIOLOGY. Avishkar Publishers, Distributors. ISBN 978-81-7910-306-7.		
Main references (sources)					
Recommended books and references (scientific journals, reports...)					
Electronic References, Websites					

Course Description Template(16)

1. Course Name	
Sports	
2. Course Code	
NTU 104	
3. Chapter/	
First Year 2024-2025	
4. Date of preparation of this description	
3-1-2025	
5.	
6. Available Forms of Attendance:	
a. First Level Students	
7. Number of Credit Hours (Total) / Number of Units (Total)	
(1N) (1p) / (2)	
8. Course Objectives	
Objective Material Tuition	- At the end of the academic year, the student will be able to learn about the types of sports. - The student will be able to learn about the rules and skills of some sports. - The student will be able to identify the mechanism of movement of the human body - The student will be able to identify common sports injuries
9. Teaching and Learning Strategies	
Strategy	Teaching and learning strategies for sports include a set of methods and techniques that aim to improve students' performance and develop their motor and social skills. We will review some of these key strategies: 1. Active learning Active learning is an effective approach to sports education, as it encourages students to participate actively through interactive activities such as: Teamwork: Promoting collaboration among students. Competitions: Using sports as a means of stimulating critical thinking and creativity. 2. Modern Methods of Teaching Modern methods in physical education include several methods, including:

Reciprocal Method: Students exchange roles between the observer and the trainee, which enhances the process of self-learning.

Self-assessment: It is based on the student's assessment of his performance individually, which enhances his ability to identify his strengths and weaknesses.

Guided Discovery: Students are encouraged to discover solutions on their own under the supervision of a teacher.

3. Planning and Evaluation Strategies

Effective education strategies require good planning that includes:

Diagnosis of the condition of learners: Understanding their different needs and levels.

Setting educational goals: Setting clear goals that you seek to achieve during lessons.

4. Use of technology

Technology can be integrated into sports education through:

Educational games: Using apps and software that enhance the learning experience.

Educational Videos: Demonstrating Motor Skills through Interactive Videos⁸.

5. Diversify Teaching Methods

It is important for teachers to use a variety of approaches to meet the needs of all students, such as:

Holistic learning: where the skill is taught as a whole without dividing it into parts, making it easier for students to understand movement in an integrated way

10. Course Structure

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	1 Theoretical +1 Practical	Definition of Sport	Definition, Importance and Types	Lecture	+ Exam Yumi + Citizenship Nahai
2	1 Theoretical +1 Practical	Mechanism of movement of the human body	muscles Muscle movement Muscle kinetic energy bones Joints	Lecture	+ Exam Yumi + Citizenship Nahai
3	1 Theoretical +1 Practical	Sports Injuries	definition causes The most prominent types of injuries	Lecture	+ Exam Yumi + Citizenship Nahai
4	1 Theoretical + 1 Practical	basketball	Basic Fillies Passing and its type Dialogue and its type Correction	Lecture	+ Exam Yumi + Citizenship Nahai
5	1 Theoretical + 1 Practical	Basketball Law	Basketball Law	Lecture	+ Exam Yumi + Citizenship Nahai
6	1 Theoretical	Table Tennis	Basic Skills Racket	Lecture	+ Exam Yumi + Citizenship Nahai

	cal + 1 Practical				
7	1 Theoreti cal + 1 Practical	Volleyball Law	Basic Skills	Lecture	Exam Yumi + Citi Nahai+
8	1 Theoreti cal + 1 Practical	Swimming	History Types Areas	Lecture	+ Exam Yumi + Citi Nahai
9	1 Theoreti cal + 1 Practical	Tennis	Stand by Racket	Lecture	+ Exam Yumi + Citi Nahai
10	1 Theoreti cal + 1 Practical	handball	Basic Skills Offensive Skills	Lecture	+ Exam Yumi + Citi Nahai
11	1 Theoreti cal + 1 Practical	Handball Law	Article (1)	Lecture	+ Exam Yumi + Citi Nahai
12	1 Theoreti cal + 1 Practical	Athletics	History of the Games Road Races Obstacle Races	Lecture	+ Exam Yumi + Citi Nahai
13	1 Theoreti cal + 1 Practical	football	Basic Skills	Lecture	+ Exam Yumi + Citi Nahai
14	1 Theoreti cal + 1 Practical	Sport Competitions and Competitions Management	Definition of Sports Tournaments	Lecture	+ Exam Yumi + Citi Nahai
15	1 Theoreti cal + 1 Practical	Sports Laws & Regulations	Legislation and its Types Law & Sports	Lecture	Exam Yumi + Citi Nahai

11. Course Evaluation

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc

12. Learning and Teaching Resources

Required Textbook (Methodology, if any)	
Main Reference (Sources)	Dr. Yasser Thabet: Encyclopedia of the Harvest of the Olympics
Recommended books and supporting references (scientific journals, reports...)	

Electronic Websites	Referenc	
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Course Description (Second stage)

Course Description Template1

1. Course Name:	
Medicine	
2. Course Code:	
CHT – 211	
3. Semester/Year:	
2024-2025	
4. Description Preparation Date:	
/11/112024	
5. Available Attendance Forms: .	
6. Standard Attendance Sheet: A simple form for recording student attendance in a class or session typically includes date, student names	
7. Number of Credit Hours (Total) / Number of Units (Total)	
(2th) (4p) / (6)	
8. Course Objectives	
Course Objectives	- Students will learn the basic concepts of internal medicine. - Students will learn to acquire skills in assessing the progress of critical internal medicine cases. - Students will be able to distinguish infectious and non-infectious internal medicine cases. - Students will be able to treat simple cases.
9. Teaching and Learning Strategies	
Strategy	Interactive Lectures: Use engaging presentations with visuals and videos to explain concepts, definitions, and examples of Epidemiological diseases. 1. Group Discussions: Facilitate small group discussions where students can share knowledge and experiences related to health and diseases.

2. **Case Studies:** Present real-life case studies of outbreaks or specific diseases, encouraging students to analyze and propose prevention strategies.
3. **Hands-On Activities:** Incorporate activities like hand washing demonstrations or creating posters on prevention methods to reinforce learning.
4. **Guest Speakers:** Invite healthcare professionals to share insights and experiences related to epidemiological disease and public health.
5. **Multimedia Resources:** Utilize documentaries, podcasts, and online resources to provide diverse perspectives on the topic.
6. **Service Learning:** Encourage students to participate in community health initiatives, promoting practical application of their knowledge.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First	2	Diphtheria		Facilitating Small Discussions	
second					
Third	2	Whooping cough& Mumps		Facilitating Small Discussions	
Forth					
Fifth	2	Typhoid		Facilitating Small Discussions	
Sixth					
Seventh	2	Measles, German Measles& Small pox		Facilitating Small Discussions	
Eighth					
Ninth	2	Infection of mouth & tongue		Facilitating Small Discussions	
Tenth					
Eleventh	2	Gastritis& Peptic Ulcer		Facilitating Small Discussions	
Twelfth					
Thirteenth	2	Jaundice		Facilitating Small Discussions	
Fourteenth					
Fifteenth	2	Heart Failure		Facilitating Small Discussions	
	2	Myocardial infarction		Facilitating Small Discussions	
	2	Angina			

	2	Ca. stomach& Ca. intestine		Facilitating Small Discussions	
	2	Hypertension		Facilitating Small Discussions	
	2	Congenital heart disease		Facilitating Small Discussions	
	2	Pneumonia		Facilitating Small Discussions	
	2	Asthma		Facilitating Small Discussions	
				Facilitating Small Discussions	
				Facilitating Small Discussions	
				Facilitating Small Discussions	

11. Course Evaluation ☐ 5Oral Exam, 5 Daily Exam, 5 Reports, 25Practical Exam , 60 Written Exam

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

1. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Template(2)

1. Course Name					
Communicable diseases					
2. Course Code					
CHT 212					
3. Semester/Year					
2024-2025					
4. Date of this description					
11/11/2024					
5. Available Attendance Forms Standard Attendance Form					
A simple form for recording student attendance at a class or session, usually including date, students' names.					
6. Number of Credit Hours (Total) / Number of Units (Total)					
(2n) (2p) / (4)					
7. Course Objectives					
• Students learn the definition of • Communicable diseases • Knowing many communica • diseases • How to Prevent Diseases • Transitional and Combating			Course Objectives		
8. Teaching and Learning Strategies					
1. Interactive Lectures: Use engaging presentations with visual materials and videos to explain concepts, definitions, and examples of communicable diseases. 2. Group Discussions: Facilitate small discussions where students can share knowledge and experiences related to health and disease. 3. Case studies: Real case studies on outbreaks or specific diseases, encouraging students to analyze them and suggest prevention strategies. 4. Hands-on activities: Incorporate activities such as handwashing demonstrations or create posters on prevention methods to enhance learning. 5. Guest Speakers: Invite healthcare professionals to share their insights and experiences related to communicable diseases and public health. 6. Multimedia Resources: Use documentaries, podcasts, and online resources to provide diverse perspectives on the topic. 7. Service Education: Encouraging students to participate in public health initiatives in the community, which enhances the practical application of their knowledge.					Strategy
9. Course Structure					
Evaluation Method	Learning Method	Name of Unit or Topic	Required Learning Outcomes	Hours	The week
	Facilitate sma discussions where studen can participat	Communicable Diseases - Definitio of Diseases - Mod of Transmission	Identifying Communicable Diseases	2	First

	Disease Knowledge and Experiences	Diseases		2	3&2
	Facilitate small group discussions	Sexually transmitted diseases and the transmission route	The difference between sexually transmitted diseases and their mode of transmission	2	5&4
	Facilitate small group discussions	Waterborne Diseases		2	6&7
	Facilitate small group discussions	Airborne Diseases	Waterborne Diseases	2	Eighth
	Facilitate small group discussions	Food contamination	Airborne Diseases	2	Ninth
	Facilitate small group discussions	Diseases transmitted by food	Food contamination Diseases transmitted by food contamination	2	X
	Facilitate small group discussions	contamination		2	Eleventh
	Facilitate small group discussions	Dermatology	Dermatology	2	Twelfth
	Facilitate small group discussions	Respiratory diseases	Respiratory diseases	2	Thirteenth
	Facilitate small group discussions	Viral Hepatitis - Types	Viral Hepatitis - Types	2	Fourteenth
	Facilitate small group discussions	Malaria	Malaria	2	Fifteenth
	Facilitate small group discussions	cholera	cholera	2	
	Facilitate small group discussions	Typhoid	Typhoid		
		Scabies	Scabies		
		Pandemic influenza	Pandemic influenza		

10. Taqiyyum-ul-Muqadar-5 Exam Shafi-5 Exam Yumi-5 Taqarir-25 Exam Staff-60 Exam Schedule

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc

11. Learning and Teaching Resources

	Required Textbooks (Methodology, if any)
	Main References (Sources)
	Recommended books and supporting references (scientific journals, reports...)
	Electronic References, Websites

Course Description Template(3)

1. Course Name:					
Public Health					
2. :Course Code					
CHT – 220					
3. Semester / Year :					
Quarterly					
4. :Date of preparation of this description					
2/2/2025					
5. Available Forms of Attendance:					
a. Quarterly					
6. Number of Hours (Total) / Number of Units (Total) :					
(2) Theoretical + (2) Practical = 4 units					
7. Course Objectives					
Course Objectiv	Introduce students to a wide range of concepts aimed at improving health and preventing diseases Health Awareness: Disseminating knowledge and information about factors affecting health and how to maintain good health Healthy lifestyle: includes healthy nutrition, physical activity, abstinence from smoking and alcoholic beverages Prevention and Control of Diseases: Students learn how to make healthy decisions and follow healthy behaviors such as washing hands. Social distancing and the use of loyalty measures Environmental Health: Students learn about environmental pollutants and their impact on health and how to maintain a healthy environment through waste management, water technology and pollution reduction Prevention of good health on a personal and social level: Students learn how to deal with psychosocial challenges that affect mental and psychological health and how to seek support and help when needed				
8. Teaching and Learning Strategies					
Strategy	Define the basic concepts in public health Learn about the importance of factors affecting public health such environmental, behavioral, and genetic factors We learn about the types of infectious and chronic diseases, their modes transmission, and how to prevent them Learn about the importance of health awareness and education Learn about healthcare systems and how to access and improve their qua Learn about the importance of enrollmentAnalyze health data to iden public health needs Develop communication, negotiation and leadership skills to influence hea improvement				
9. Course Structure					
The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
The first	(2) Theoretic + (2) Practical	1. Introduction to Public Health 2- A brief history health General 3- Visit to the Health Division	Public Health Health Promotion	Lecture	Presentation Explanation Questions Answers, Discussi

Second		General 1. Health Promotion 2- Components of health promotion 3- Modern methods used in Health Promotion		Lecture	Wide Introduction , Explanation, Questions Answers, Discussion
Third		1. Health Education 2. Health Education Team 3. Duties of health team 4. Health Education Methods 5. How to develop an education plan for Health	Health Education	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion
Fourth	all	1. Environmental Health 2. Environmental Health Goals 3. Types of environment	Environmental Health	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion
V		1. Water pollution 2. Air pollution 3. Waste disposal	Water Health	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion
Sixth & Seventh		1-Healthy Nutrition 2. Nutrition for different age groups 3-Basic food ingredients and their importance 4. Food for the sick and the elderly 5. Visit to the Nutrition Research Center	Food Health	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion
Eighth		Lifestyle	Physical and mental health	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion

Ninth		1-Tuberculosis 2. Measles Solita 3-Meninges	Infectious diseases	Lecture	Wide Introduction , Explanation, Questions Answers, Discuss
X		Epidemiology of Chronic Diseases	Chronic diseases	Lecture	Wide Introduction , Explanation, Questions Answers, Discuss
atheist ten		1. Epidemiology Diseases Transitional and endemic 2. A visit to the u Communicable diseases and endemic	Communicable and endemic diseases	Lecture	Wide Introduction , Explanation, Questions Answers, Discuss
Second ten		1-Polio 2. Polio Epidemic 3. AFP check	Viral Diseases	Lecture	Wide Introduction , Explanation, Questions Answers, Discuss
Third ten		Stress	Mental Health	Lecture	Wide Introduction , Explanation, Questions Answers, Discuss
Fourteenth & Fifteenth		1. Definition Statistics Al , Hayati 2. A visit to division Births and death	Life Statistics	Lecture	Wide Introduction , Explanation, Questions Answers, Discuss

10. Course Evaluation

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc

11. Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Public Health Book Park textbook of PREVENTIVE AND SOCIAL . MEDICINE. BHANOT. K.PARK
Main References (Sources)	Housing and public health The health and health system of south Africa :historical rool of current public health challenges
Recommended books and supporting references (scientific journals, reports...)	Journal and Articles

(4)Course Description Template

1. Course Name:					
Pharmacology					
2. Course Code:					
CHT 219					
3. Semester/Year:					
First semester/ 2025-2024					
4. Description Preparation Date:					
2024/10/23					
5. Available Attendance Forms:					
a. Attendance					
6. Number of Credit Hours (Total) / Number of Units (Total)					
a. 2 hours theory, 2 hours practical. Number of units: 4					
7. Course administrator's name (mention all, if more than one name)					
a. Name: Fatima fadhil salih					
b. Email: fatimateacher696@ntu.edu.iq					
8. Course Objectives					
Course Objectives	- Developing pharmaceutical knowledge: enabling students to understand scientific basis for using drugs, including their classifications, mechanism of action, and side effects. - Enhancing practical skills: providing students with the skills necessary to prepare and administer drugs, calculate doses, and monitor side effects. - Teaching ethical responsibility: developing students' awareness of the importance of adhering to the ethics of medical practice, protecting patients' rights, and promoting effective communication regarding the use of drugs.				
9. Teaching and Learning Strategies					
Strategy	Active learning: Encouraging students to actively participate through group discussions Multimedia: Using educational videos, interactive lectures, and simulations to enhance the learning experience . Content learning is more engaging Continuous assessment: Adopting various assessment methods such as quizz projects, and presentations to ensure students understand and apply information.				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit Or Subject Name	Learning Method	Evaluation Method
1	2 Hours Theoretical 2 Hours Practical	Introduction, General Aspects Of Pharmacology, Principle Of Drug Administration Pharmacokinetic, Principles In The Use Of Drugs,	Understand The Basic Concepts Related To Drugs And Their Mechanism Of Action Understand Pharmacodynamics Understand	Educational Lectures Educational Videos Simulations A Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports

		Drug Metabolism And Excretion	Pharmacokinetics Understand Drug Metabolism		
2	2 Hours Theoretical 2 Hours Practical	Drugs That Affect The Autonomic Nervous System: Sympathetic Stimulants, Drugs, Anticholinergic	Identify The Effects Of Sympathomimetic Drugs And Understand How Sympathomimetic Drugs Work And Their Clinical Applications. Understand Anticholinergic Drugs . Analyze The Effects Of Drugs On The Nervous System.	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports
3	2 Hours Theoretical 2 Hours Practical	Sympathetic Nervous System, Adrenergic Stimulants, Adrenal Gland, Anti-Adrenergic Drugs.	Understand The Mechanism Of Action Of The Sympathetic Nervous System And Identify The Role Of Adrenaline Stimulating And Inhibitory Drugs. Analyze The Applications Of Anti-Adrenaline Drugs.	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports
4	2 Hours Theoretical 2 Hours Practical	Gastrointestinal Tract Drugs, Antacid, Antiulcer, Antispasmodics, Antiemetic, Antidiarrheal, Laxatives	Identifying Digestive System Drugs Identifying Antacids, Antiulcers, Antispasmodics, Antiemetics, Antidiarrheals, Laxatives And How They Work	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports
5	2 Hours Theoretical 2 Hours Practical	Urinary System, Diuretics, Total Body Fluid And Electrolyte Balance, Acid-Base Balance	Learn About Urinary System Drugs, Diuretics, Understanding Body Fluids, Electrolyte Balance, Acid-Base Balance And How They Work.	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports
6	2 Hours Theoretical 2 Hours Practical	Antibiotic, Antibacterial, Antifungal	Learn About The Types Of Antibiotics, Antibacterials, Antifungals And Understand How They Work.	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports
7	2 Hours Theoretical 2 Hours Practical	Antiviral, Amebicidal, Trichomonocides	To Learn About Antivirals, Amebicidal, Trichomoniasis And	Educational Lectures Educational Videos	Daily Written Tests, Daily Posts, Final Semester

			Understand Their Mechanism Of Action	Simulations And Group Discussions	Exams, Week Reports
8	2 Hours Theoretical 2 Hours Practical	Corticosteroids Drugs	Understand The Mechanism Of Action Corticosteroids Distinguish The Medical Conditions In Which Corticosteroids Are Used Analysis Of Side Effects And Precautions	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports
9	2 Hours Theoretical 2 Hours Practical	Non-Steroidal Anti-Inflammatory Drugs	Understand How NSAIDs Work Identify Medical Uses Recognize Side Effects And Risks	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports
10	2 Hours Theoretical 2 Hours Practical	Cardiovascular System Drugs Digitalis And Cardiac Glycosides, Diuretics	Understanding The Mechanism Of Action Digitalis And Cardiac Glycosides Identifying The Types Diuretics And Their Mechanism Of Action Analyzing The Therapeutic Benefits And Risks	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports
11	2 Hours Theoretical 2 Hours Practical	Adrenoreceptor Blockers, Antiarrhythmic Drugs Vasodilators, Antihypertensives, Sympathomimetic, Sclerosing Agents	Understand The Mechanism Of Action Adrenergic Receptor Blockers And Sympathomimetics Analysis Of The Role Antiarrhythmic Drugs Identify Vasodilators And Antihypertensive Understand The Mechanism Of Action Atherogenic Agents	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports
12	2 Hours Theoretical 2 Hours Practical	Respiratory System Bronchodilators , Corticosteroids , Allergic Disorders, Respiratory Stimulants, Mucolytics	Identify Respiratory Medications: Bronchodilators, Corticosteroids, Allergic Disorders, Respiratory Stimulants, Mucolytics And Understand Their Mechanism Of Action , Analyze The Therapeutic Benefits And Risks	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports
13	2 Hours Theoretical 2 Hours Practical	Antitussives And Expectorant, Nasal Decongestants	Understanding The Mechanism Of Action Antitussives	Educational Lectures Educational Videos	Daily Written Tests, Daily Posts, Final Semester

			Understanding The Role Of Expectorants Understanding The Mechanism Of Action Nasal Decongestants Analyzing The Uses, Benefits, And Side Effects	Simulations And Group Discussions	Exams, Week Reports
14	2 Hours Theoretical 2 Hours Practical	Drugs Acting On The Central Nervous System, Analgesic, Opioid Analgesic, Sedative And Hypnotic, Narcotics	Understand The Mechanism Of Action Drugs That Affect The Central Nervous System Distinguish Between Types Of Analgesics Identify Sedatives And Hypnotics Analysis Of Risks And Side Effects	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports
15	2 Hours Theoretical 2 Hours Practical	Endocrine:- Drug Used In Diabetes , Hypoglycemia , Pituitary Hormones Thyroid And Anti Thyroid Drugs	Understanding The Mechanism Of Action Drugs Used In Diabetes Understanding The Hormones Of The Pituitary Gland And Thyroid Gland Understanding Antithyroid Drugs	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exams, Week Reports

11. Course Evaluation

Distributing The Score Out Of 100 According To The Tasks Assigned To The Student Such As Daily Preparation, Daily Oral, Monthly, Or Written Exams, Reports Etc

12. Learning And Teaching Resources

Required Textbooks (Curricular Books, If Any)	Book Adams , Edition4
Main References (Sources)	Michael Patrick Adams Carol Quamurban Rebecca E. Sutter
Recommended Books And References (Scientific Journals, Reports...)	Clinical Pharmacology Made Ridiculously Simple
Electronic References, Websites	Drug bank, Rxlist

Course Description Template(5)

1. Course Name	
Ethics	
Course Code .2	
CHT207	
Semester/Year .3	
2024-2025	
Date of preparation of this description .4	
2025	
5. Available Forms of Attendance	
Standard Attendance Form: A simple form for recording student attendance in a class or session, usual including the date, student names.	
Number of study hours (total) / Number of units (total) .6	
2 /2	
7. The name of the course administrator (if more than one name is mentioned)	
varaonner@ntu.edu.iq Name: Dr. Sura Hashem Mohamed Email :	
8. Course Objectives	
Course Objectives	• General Objectives Identify basic ethics and professional ethics for workers in professional disciplines • Special Objectives Qualifying the graduate on professional behavior in dealing with his profession and achieving compatibility with himself, his professional environment, the patient, his companions, and workers in the health field and medical devices.
9. Teaching and Learning Strategies	
The Professional Ethics course includes: It is an ethical, educational and guiding topic that guide students while dealing with others in a good and respectful manner. They deal with them in the field in the fields of public service that serve the people and society. The department aims to graduate technical staff working in the fields of (occupational health and safety, health inspection and control) and to assist in the implementation of Primary health surveillance, health awareness campaigns and assisting the physician in diagnostic procedures in the programs implemented in health centers	
10. Course Structure	

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
First week	2	The Concept of Professional Conduct	Definitions and Terms	Presentation, Explanation, Q&A, Discussion	Brainstorming Questions
2	2	Basic Etiquette for Every Profession	Definitions	Presentation, Explanation, Q&A, Discussion	Paper Test
3	2	Characteristics of Ethics	Angel Descriptions	Presentation, Explanation, Q&A, Discussion	Seminar
4	2	The importance of health staff in the health field	Medical Staff	Presentation, Explanation, Q&A, Discussion	Electronic Exam
5	2	Etiquette of Dealing with the Patient	Conduct	Presentation, Explanation, Q&A, Discussion	Oral Test
6	2	Rights of Patients and Their Families	Recommendations	Presentation, Explanation, Q&A, Discussion	Homework
7	2	Some undesirable practices in the medical field	Caveats	Presentation, Explanation, Q&A, Discussion	Brainstorming Questions
8	2	Characteristics and Prescriptions of Medical Workers	The importance of the qualities of the workers	Presentation, Explanation, Q&A, Discussion	Paper Test
9	2	Health	Introduction	Presentation, Explanation, Q&A, Discussion	Paper Test
10	2	Mental Health	Definitions	Presentation, Explanation, Q&A, Discussion	Brainstorming Questions
11	2	Prevention of Mental Illness	Tips & Guidelines	Presentation, Explanation, Q&A, Discussion	Paper Test
12	2	The concept of compatibility and the conditions of compatibility	Definitions	Presentation, Explanation, Q&A, Discussion	Brainstorming Questions
13	2	Customs and traditions	Characteristics of Habits	Presentation, Explanation, Q&A, Discussion	Paper Test
14	2	Occupational Compatibility and its Relationship to Work	The importance of compatibility	Presentation, Explanation, Q&A, Discussion	Brainstorming

					Questions
15	2	Behavioral pattern, role of genetics and environment	The Importance of Heredity	Presentation, Explanation, Q&A, Discussion	Paper Test
11. Course Assessment					
Students must attend all theoretical lectures, Exams: Exams will be conducted during the course period. • Quiz during theoretical lecture hours. • Theoretical Exams					
12. Learning and Teaching Resources					
Required Textbooks (Methodology, if a					
Main References (Sources)			- Ethics of Public Service, Abdulqader Al-Sheikhly, Al-Majd Publishing House, Amman, 1st Edition, 2009 - Business Ethics, Bilal Al-Sakarneh, Al-Masirah Publishing and Distribution, Amman, 2009		
Recommended books and supporting references (scientific journals, reports...)					
Electronic References, Websites					

Course Description Template(6)

1. Course Name	
Computer	
2. Course Code	
CHT- 201	
3. Semester/Year	
Quarterly.	
4. Date of this description	
20/10/2024	
5. Available Forms of Attendance:	
Study in the classrooms and laboratories.	
6. Number of Hours (Total) / Number of Units (Total) :	
Two hours. Units.	
7. Course Objectives	
Course Objectives	- Understand the basics of computers. - Use applications. - Learn about information security.
2. Teaching and Learning Strategies	

Strategy	• Project-based learning. • Weekly reports. • Project-based learning. • Technology-Guided Education. • Hands.				
3. Course Structure					
The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
The first	One hour	Learn about .network security	Security and Networking.	Came	The exam is civil and
Second	One hour	Learn about e-shopping	E – Commerce.	Came	The exam is civil and
Third	One hour	Knowing comput .problems	Computer Troubleshooting.	Came	The exam is civil and
Fourth	One hour	The Introduction Artificial .Intelligence	Introduction to AI.	Came	The exam is civil and
V	One hour	The importance of artificial .intelligence	AI in Our Daily Lives.	Came	The exam is civil and
Sixth	One hour	Applications of artificial .intelligence	Application of AI.	Came	The exam is civil and
Seventh	One hour	Artificial Intelligence and .Society	AI and Society.	Came	The exam is civil and
Eighth	One hour	Challenges of artificial .intelligence	Ethical challenges in AI.	Came	The exam is civil and
Ninth	One hour	The future of artificial .intelligence	The Future of AI.	Came	The exam is civil and
4. Course Evaluation					
Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc					
5. Learning and Teaching Resources					
Required Textbooks (Methodology, if any)			The curriculum approved by the Ministry of Higher Education and Scientific Research according to the book number: TM 3/11009 on 9/10/2024.		
Main References (Sources)			Internet.		
Recommended books and supporting references (scientific journals, reports...)			Scientific articles and research in this aspect.		
Electronic References, Websites			https://academy.hsoub.com/programming		

Course Description Template(7)

1. Course Title: Health Inspection and Control
2. Course Code: CHT 214
3. Semester / First Year 2024-2025

4. Date of preparation of this description 23-11-2024					
5. Available Forms of Attendance: Second Level Students					
6. Number of Hours (Total) (2 + 2 P) / Number of Units (Total (4) (					
7. Course Objectives					
Course Objectives		- At the end of the academic year, the student will be able to familiarize himself with programs and concept of Health Inspection. - The student will be able to identify the foundations, rules and requirements for effectiveness of the inspection process. - Diagnose the health conditions and specifications that must be legally met in controlled shops. Health			
8. Teaching and Learning Strategies					
Strategy		Qualification to work in inspection and health control teams and assistance in laboratory investigation of the tested samples and their conformity with the health conditions			
9. Course Structure					
Week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	2 Theoretical + 2 Practical	The Concept of Health Control	Health Inspection Objectives Health Inspection Missions Foundations and Rules of Health Inspection	Lecture	Exam Yumi + Citizen + Nahai
2	2 Theoretical + 2 Practical	Food Safety	Food Safety Environmental Safety	Lecture	Exam Yumi + Citizen + Nahai
3	2 Theoretical + 2 Practical	Conditions granting leave	Conditions to be met by the employer and the employer	Lecture	Exam Yumi + Citizen + Nahai
4	2 Theoretical + 2 Practical	Special Conditions	Includes hotels and lounges Public cafes	Lecture	Exam Yumi + Citizen + Nahai
5	2 Theoretical + 2 Practical	General Conditions	Bakeries, bakeries and pastries	Lecture	Exam Yumi + Citizen + Nahai
6	2 Theoretical + 2 Practical	Shops	Preparing and selling ice cream	Lecture	Exam Yumi + Citizen + Nahai
7	2 Theoretical + 2 Practical	Food Shops	Sale of Ready-to-Eat Food & Beverages	Lecture	Exam Yumi + Citizen + Nahai

8	2 Theoretical + 2 Practical	Animal Products Stores	Meat and dairy shop	Lecture	Exam Yumi + Citizen + Nahai
9	2 Theoretical + 2 Practical	Salons	Barbershops & Beau Salons	Lecture	Exam Yumi + Citizen + Nahai
10	2 Theoretical + 2 Practical	Food Laboratories	Food Industries Laboratory Food Processing	Lecture	Exam Yumi + Citizen + Nahai
11	2 Theoretical + 2 Practical	Ready Meals	Ready Meals	Lecture	Exam Yumi + Citizen + Nahai
12	2 Theoretical + 2 Practical	The role agility	The role of agility	Lecture	Exam Yumi + Citizen + Nahai
13	2 Theoretical + 2 Practical	Confectione Laboratories	Sweets	Lecture	Exam Yumi + Citizen + Nahai
14	2 Theoretical + 2 Practical	Rashi shops	Al , Rashi	Lecture	Exam Yumi + Citizen + Nahai
15	2 Theoretical + 2 Practical	Ice Shops	Snow and gypsum	Lecture	Exam Yumi + Citizen + Nahai

10. Course Evaluation

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc

11. Learning and Teaching Resources

Required Textbook (Methodology, if any)	
Main Reference (Sources)	
Recommended books and supporting references (scientific journals, reports...)	
,Electronic Reference Websites	https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/cfrsearch.cfm?fr=155.194

Course Description Template(8)

1. Course Name:					
a. Occupational Health and Safety					
2. :Course Code					
a. CHT217					
3. Semester/Year:					
a. Quarterly					
4. :Date of preparation of this description					
a. 23 -11- 2024					
5. Available Forms of Attendance:					
a. Quarterly					
6. Number of Hours (Total) / Number of Units (Total) : (1) Theoretical + (3) Practical = 4 Units					
a. (1) Theoretical + (3) Practical = 4 units					
7. Course Objectives					
Course Objectives		Students learn about the importance of occupational health and safety. Students will learn about the damages suffered by workers in different facilities. Students will learn the occupational health and safety conditions that must be met to prevent accidents, work injuries and various occupational diseases.			
8. Teaching and Learning Strategies					
Strategy		Encourage assessment and review skills to ensure that health and safety concepts and principles are applied Actively participate in projects and events that promote environmental health awareness. Training students to understand health and safety regulations and standards Teach students teamwork skills and collaborate with teams in the context of work Self-learning skills training and continuing to improve professional skills			
9. Course Structure					
The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
The first	theoretical + 3 Practical	- General definitions of occupational health and safety	Course Introduction, Learning	Lecture	Presentation Explanation Question

Second	Theoretical + practical	-Health and Safety Concept Professionalism -Principles of occupational safety -Health and safety goals Professionalism	Objectives, Course Content Principles of Occupational Health and Safety History of Occupational Health, Safety and Safety	Lecture	Answers Discussion Wide Introduction, Explanation, Questions Answers Discussion
Third	Theoretical + practical	Occupational Health and Safety Impact On productivity Efficiency Industrial Enterprise The role of business owners is role of	Occupational Health and Safety and its Relationship to Production	Lecture	Wide Introduction, Explanation, Questions Answers Discussion

		Workers and Government Agencies Duties of the Directorates of Health Professionalism			
Fourth	1 Theoretical + 3 Practical	Differences Between Occupational Illness and occupational injury Methods Disease Prevention Professionalism Classification of accident and injury Occupational Work and Causes Safe Concentration Score	Occupational hazards and diseases	Lecture	Wide Introduction, Explanation, Question, Answers, Discussion
Wave V	1 Theoretical + practical	Noise Concept and Measurement Impact of noise on workers Noise Prevention Types of Vibration Vibration Hazards Vibration Hazard Prevention	Noise and vibrations	Lecture	Wide Introduction, Explanation, Question, Answers, Discussion

		Effect of Temperature and Humidity Differences			
Sixth	1 Theoretical + practical	Heat Sources in the Workplace Effects of heat on the human body Methods of Heat Protection	Heat, humidity and air speed	Lecture	Wide Introduction, Explanation, Questions, Answers, Discussion
Seventh	1 Theoretical + 3 Practical	Types of Lighting Measuring the intensity of light Lighting in the workplace The Effect of Lighting on the Health of the Eyes Radiation Sources Types of radiation Radiation Hazards Radiation Risk Prevention	Lighting and radiation of all kinds and its risks	Lecture	Wide Introduction, Explanation, Questions, Answers, Discussion
Eighth	1 Theoretical + 3 Practical	-Effect of a decrease in atmospheric pressure -The effect of high	Atmospheric Pressure and Electricity	Lecture	Wide Introduction, Explanation, Questions

		atmospheric pressure - Prevention of the risk of exposure to kesson disease -The most important causes that lead to electric shock -Factors that reduce the risk of electric shock - General rules in the prevention of electricity hazards			Answers Discussio
Ninth	1 Theoretic + 3 Practica	How gases penetrate the human body - Diffusion of gases and fumes - The effect of gases on the human body -Prevention of harmful gases For the human body - Properties of dust particles - Dust hazards - Prevention of dust hazards	Chemical hazards (gases, fumes, dust)	Lectur	Wide Introductio , Explanatio Question Answers Discussio
X	1 Theoretic + 3 Practica	- Biological hazards - The most important occupational diseases Infectious diseases and how to prevent them Psychological factors	Biological Hazards and infectious diseases	Lectur	Wide Introductio , Explanatio Question Answers Discussio

		Symptoms of mental illness at work - Diagnosis of mental illnesses in the factory - Prevention to prevent the occurrence of mental illnesses			
First ten	1 Theoretical + 3 Practical	Types of machines used on sites - Main reasons for mechanical accidents - Risk prevention methods	Mechanical hazards and engineering prevention methods	Lecture	Wide Introduction, Explanations, Questions, Answers, Discussion
Second ten	1 Theoretical + 3 Practical	- Acute - Symptoms of poisoning - Methods of lead poisoning - Mercury and chromium - Poisoning prevention	Industrial toxins and heavy metal poisoning (lead, mercury, chromium)	Lecture	Wide Introduction, Explanations, Questions, Answers, Discussion
Third ten	1 Theoretical + 3 Practical	- Use of all-uses - Pesticide Hazards - Natural properties of Organic compounds - The effect of organic solvents on the human body - Risk prevention	Poisoning of pesticides and organic compounds	Lecture	Wide Introduction, Explanations, Questions, Answers, Discussion
Fourth ten	1 Theoretical + 3 Practical	- Work accidents - Types of work accidents - Causes of work accidents - The Severity of Accidents - Foundations of the Prevention of Work Accidents and Injuries	(Accidents and Injuries at Work) and First Aid Services at Workplaces	Lecture	Wide Introduction, Explanations, Questions, Answers, Discussion

		-On-site first aid services - Characteristics of an industrial paramedic Duties of the Industrial Paramedic - First aid record at the factory			
V ten	1 Theoretical + 3 Practical	-Define the trading process Storage of materials - Causes of accidents resulting from the transportation and handling of materials -Basic rules when lifting loads manually - Special Resolutions With health and safety Professionalism and Age Legislation	Deliberation and storage of materials, legislation and decisions related to occupational health and safety	Lecture	Wide Introduction, Explanation, Questions, Answers, Discussion

10. Course Evaluation

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc

11. Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Encyclopedia of Occupational Health and Safety (ILO), Geneva, 1990, Part II Encyclopedia of Occupational health & safety ILO Volume 2 Geneva 1990
Main References (Sources)	Occupational Safety and Health and Securing the Work Environment / Magdy Abdullah Sharara 2016 Comprehensive Guide for Environmental Health Service Workers/UNEP, WHO, 2004, Amman, Jordan

Recommended books and supporting references (scientific journals, reports...)	National Occupational Safety and Health File in Iraq 2022 Occupational Protection / Amman Jordan /
Electronic References, Websites	

(9) Course Description Form

1. Course Name:	
Surgery	
2. Course Code:	
CHT216	
3. Semester/Year:	
Holidays/2024-2025	
4. Description Preparation Date:2025	
2/2/2025	
5. Available Attendance Forms:	
a. Standard Attendance Sheet: A simple form for recording student attendance in class or session typically includes date, student names.	
6. Number of Credit Hours (Total) / Number of Units (Total)	
a. (2th) (4p) / (6)	
7. Course Objectives	
Course Objectives	- Student will be able how treat simple cases - Student will be able to give blood & injection - The Student Will be able to dress Woun
8. Teaching and Learning Strategies	

Strategy	Interactive Lectures: Use engaging presentations with visuals and videos to explain concepts, definitions, and examples of Epidemiological diseases. 7. Group Discussions: Facilitate small group discussions where students can share knowledge and experiences related to health and diseases. 8. Case Studies: Present real-life case studies of outbreaks or specific diseases, encouraging students to analyze and propose prevention strategies. 9. Hands-On Activities: Incorporate activities like hand washing demonstrations or creating posters on prevention methods to reinforce learning. 10. Guest Speakers: Invite healthcare professionals to share insights and experiences related to epidemiological disease and public health. 11. Multimedia Resources: Utilize documentaries, podcasts, and online resources to provide diverse perspectives on the topic. 12. Service Learning: Encourage students to participate in community health initiatives, promoting practical application of their knowledge
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9. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
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First	2	Head injury		Facilitating Small Discussions	
Second	2	Meningeal injury		Facilitating Small Discussions	
Third	2	Face injury		Facilitating Small Discussions	
Forth	2	Surgical mouth		Facilitating Small Discussions	
Fifth	2	Surgical tongue		Facilitating Small Discussions	
Sixth	2	Gastritis & peptic ulcer		Facilitating Small Discussions	
Seventh	2	Gum ulcer		Facilitating Small Discussions	
Eighth&	2	Tonsillitis		Facilitating Small Discussions	
Ninth	2	Esophagus ca.		Facilitating Small Discussions	
Tenth	2	Ca. stomach,ca. intestine		Facilitating Small Discussions	
Eleventh	2	Appendicitis		Facilitating Small Discussions	
Twelfth	2	Intestinal obstruction		Facilitating Small Discussions	
Thirteenth	2	liver abscess		Facilitating Small Discussions	
Fourteenth		Liver injury		Facilitating Small Discussions	
Fifteenth				Facilitating Small Discussions	
				Facilitating Small Discussions	
				Facilitating Small Discussions	
				Facilitating Small Discussions	
				Facilitating Small Discussions	
10. Course Evaluation ☐ 5Oral Exam, 5 Daily Exam, 5 Reports, 25Practical Exam , 60 Written Exam					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc					
11. Learning and Teaching Resources					
Required textbooks (curricular books, if any)					
Main references (sources)					

Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Template(10)

1. Course Name					
Arabic Language					
2. :Course Code					
NTU202					
3. Semester/Year					
Second Level/ First Semester 2024/2025					
4. Date of this description					
26/10/2024					
5. Available Forms of Attendance					
Theoretical					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2/2					
7. Name of the course administrator (if more than one name is mentioned)					
Name: Laila Abbas Omar Mohamed Email: layla.a.998@ntu.edu.iq					
8. Course Objectives					
Course Objectives		- The student should grow up loving the Arabic language, the language of the Holy Qur'an. - Identify the places of beauty in the Arabic language and its literature. - Introduce the student to the correct Arabic language words - and its proper structures and methods.			
9. Teaching and Learning Strategies					
Strategy	The strategy of the lecture and following the method of dialogue between the teacher and student by offering summarize information and ideas in key points, and link theoretical concepts to real-world examples.				
10. Course Structure					
The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	2	Identify the concept of linguistic errors. Identify types of errors in Linguistics.	Linguistic errors	Discussion method, And the method of the lecture	test oral
2	2	Identify the signs of the beginner and the news. Identify the photos of the beginner	the beginner and the news	Discussion method, And the method of the lecture	test oral

		And the news.			
3	2	Identify the concept of literature and its development through the ages. 1. Identify the arts of literature In both poetry and prose.	Arts of Literature	Discussion method, And the method of the lecture	test oral
4	2	Identify the letters of addition and deletion Identify the location of letters of addition and deletion.	Letters of addition and deletion	Discussion method, And the method of the lecture	test oral
5	2	Identify the types of knowledge. Identify the method of converting the word is from denotation to knowledge.	Denial and Knowledge	Discussion method, And the method of the lecture	test oral
6	2	Identify the types of poetry. Identifying the most prominent poets. Identify examples of famous poems.	Poetry and Poets	Discussion method, And the method of the lecture	test oral
7	2	Identify the concept of administrative discourse. Identify the aspects of administrative discourse. The formality of the administrative discourse.	Administrative Discourse	Discussion method, And the method of the lecture	test oral
8	2	Familiarize yourself with the language of administrative discourse.	The Language of Administrative Discourse	Discussion method, And the method of the lecture	test oral
9	2	Analysis of Surah Al-Fatiha. Analysis of Surah Al-Duha.	Text Analysis	Discussion method, And the method of the lecture	test oral
10	2	Identifying the name and its signs. Identify the verb and its signs. Recognize the letters	Speech Sections	Discussion method, And the method of the lecture	test oral
11	2	1. Identifying punctuation. Familiarity with the rules	Punctuation	Discussion method, And the method of the lecture	test oral

		Use punctuation.			
12	2	Solar Character Recognition and the Moon.	Solar and Lunar Letters	Discussion method, And the method of the lecture	test oral
13	2	Learn about the rules of writing Hamza.	Rules of Writing Hamza	Discussion method, And the method of the lecture	test oral
		Identify common mistakes while stating right.	and don't say	Discussion method, And the method of the lecture	test oral
		Familiarize yourself with the rules of writing the thousand compartments. Familiarity with writing the Engaged Thousand	Compartment Engaged	Discussion method, And the method of the lecture	test oral

11. Course Evaluation

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc

12. Learning and Teaching Resources

Required Textbooks (Methodology, if any)	General Arabic
Online References (Sources)	There isn't any
Recommended books and supporting references (scientific journals, reports...)	There isn't any
Electronic References, Websites	There isn't any

Course Description Sample (11)

1. Course Name
Epidemiology
2. Course Code
CHT 218
3. Chapter/
Year 2024-2025
4. Date of this description
22/11/2024
5. Available Attendance Forms Standard Attendance Form:
A simple form for registering student attendance in a class or session, usually including date, the names of the students.
6. Number of Credit Hours (Total) / Number of Units (Total)
a. (1N) (2A) / (3)
7. Name of the course administrator (if more than one name is mentioned)
a. Name: Kol Jamin Medhat Abdallah b. Al - Goljameen_midhat@ntu.edu.iq
8. Course Objectives

Course Objectives	• Students learn about definition of epidemiology • Knowledge of the epidemic triad • How to prevent and control epidemic diseases
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9. Teaching and Learning Strategies

Strategy	13. Interactive Lectures: Use engaging presentations with visual materials and videos to explain concepts, definitions, and examples of epidemic diseases. 14. Group Discussions: Facilitate small discussions where students can share knowledge and experiences related to health and disease. 15. Case studies: Real case studies on outbreaks or specific diseases, encouraging students to analyze them and suggest prevention strategies. 16. Hands-on activities: Incorporate activities such as handwashing demonstrations or create posters on prevention methods to enhance learning. 17. Guest Speakers: Inviting healthcare professionals to share their insights and experiences related to epidemiological diseases and public health. 18. Multimedia Resources: Use documentaries, podcasts, and online resources to provide diverse perspectives on the topic. 19. Service Education: Encouraging students to participate in public health initiatives in the community, which enhances the practical application of their knowledge.
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10. Course Structure

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
First	2	Introduction to Epidemiology	Introduction to Epidemiology	Facilitate small discussions	
Second	2			Facilitate small discussions	
Third	2	General Definitions of Epidemiology	General Definitions of Epidemiology	Facilitate small discussions	
Fourth	2	Epidemic Triad	Epidemic Triad	Facilitate small discussions	
V	2	Communicable and non-communicable diseases	Communicable and non-communicable diseases	Facilitate small discussions	
Sixth and Seventh	2			Facilitate small discussions	
Eighth and Ninth	2	Methods of Prevention and Control of Communicable Diseases	Methods of Prevention and Control of Communicable Diseases	Facilitate small discussions	
X	2			Facilitate small discussions	
Eleventh	2	General immunity	General immunity	Facilitate small discussions	

Twelfth	2	Epidemiological Investigation, Monitoring and Methods of Investigating Epidemic Diseases	General immunity	Facilitate small group discussions	
Thirteenth					
Fourteenth	2		Epidemiological Investigation, Monitoring and Methods of Investigating Epidemic Diseases	Facilitate small group discussions	
Fifteenth	2	Administrative division of health control departments and instant news form on epidemic diseases		Facilitate small group discussions	
	2	Measles, rubella and mumps	Administrative division of health control departments and instant news form on epidemic diseases	Facilitate small group discussions	
		Tuberculosis and polio	Measles, rubella and mumps		
		Diphtheria, whooping cough and tetanus	Tuberculosis and polio		
		Viral hepatitis	Diphtheria, whooping cough and tetanus		
		Typhoid and Malta fever	Viral hepatitis		
			Typhoid and Malta fever		

11. Taqiyyum-ul-Muqadar5 Exam Shafi-5 Exam Yumi-5 Taqarir-25 Exam Staff-60 Exam Schedule

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams.... etc

12. Learning and Teaching Resources

Required Textbooks (Methodology, if any)	
Main References (Sources)	
Recommended books and supporting references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Template(12)

1. Course Name

Crimes of the Baath regime in Iraq

2. Course Code					
Ntu203					
3. Semester/Year					
First/Second Level/2024					
4. Date of this description					
25 /10 /2024					
5. Available Forms of Attendance					
Came					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 hours per week					
7. Course Objectives					
Course Objectives		1- Creating a comprehensive knowledge of all the behaviors of Baath Party during its rule. 2- Introducing the student to the crimes committed by the former regime 3- Familiarity with the decisions of the Supreme Criminal Court regarding the trial of the former regime 4- Introducing the student to the violations committed by the defunct regime of international and humanitarian law.			
8. Teaching and Learning Strategies					
Strategy		1- Theoretical lectures 2- Interactive Lectures 3- Review of documentary films			
9. Course Structure					
The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
The first		Gain knowledge	The concept of crimes and the division	Explanation and Discussion	Grading participants with a daily exam
Second		Gain knowledge	Types of International Crimes	Explanation and Discussion	Grading participants with a daily exam
Third		Gain knowledge	Psychosocial Crimes	Explanation and Discussion	Grading participants with a daily exam
Fourth		Gain knowledge	Mechanisms of Psychological Crimes	Explanation and Discussion	Grading participants with a daily exam
V		Gain knowledge	Social Crimes and the Militarization of Society	Explanation and Discussion	Grading participants with a daily exam
Sixth		Gain knowledge	The Baathist regime's position on religion	Explanation and Discussion	Grading participants with a daily exam
Seventh		Gain knowledge	The Baathist regime's violation of religion	Explanation and Discussion	Grading participants with a daily exam
Eighth		Gain knowledge	Some decisions of Baath violations	Explanation and Discussion	Grading participants with a daily exam
Ninth		Gain knowledge	Prison locations for the Baath regime	Explanation and Discussion	Grading participants with a daily exam

X		Gain knowledg	Environmenta Crimes	Explanation and Discussi	
11		Gain knowledg	War and Radioactive Pollution	Explanation and Discussi	=====
12		Gain knowledg	Destruction o Cities and Villag	Explanation and Discussi	=====
13		Gain knowledg	Mass grave crimes	Explanation and Discussi	=====
14		Gain knowledg	Chronologica Classification Tombs	Explanation and Discussi	=====
15		Gain knowledg	Final exam fo students	Explanation a Discussion	Awarding Grades to Participants

10. Course Evaluation

Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc. etc

11. Learning and Teaching Resources

Required Textbooks (Methodology, if an	The curriculum prepared by the Ministry of High Education
Main References (Sources)	Salim Matar, Encyclopedia of the Iraqi Environme 1st Edition, 2010
Recommended books and supporting references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form (13)

1. Course Name	
Life Statistics	
Course Code .2	
MTIK 202	
Semester/Year .3	
2024-2025	
Date of preparation of this description .4	
2025	
20. Available Forms of Attendance	
Standard Attendance Form: A simple form for recording student attendance in a class or session usually including the date, student names.	
21. Number of Credit Hours (Total) / Number of Units (Total)	
2 /2	
22. Name of the course administrator (if more than one name is mentioned)	
Name: Hassan Ismail Reda Email: hasan@ntu.edu.iq	
23. Course Objectives	
Course Objectives	• Definition of Statistics. Data collection methods, presentation and description of statistical data, preparation of a questionnaire (unclassified data) form. • Data collection methods, presentation and description of statistical data, preparation of a questionnaire (unclassified data) form. • Representation of the frequency distributions of "classified" data. • Measures of Centrality: Arithmetic, Median, and Pattern. • Tabular View: Frequency distribution tables. • Introduction to the Theory of Preference, its Concept and the Reasons for its Choice. • Vital Statistics. • Percentage, rate, mortality statistics, birth statistics. • Disease statistics. • Definition of health statistics and their sources. • Areas covered by health statistics.

	• Statistics of causes of death. • Percentages and rates for hospitals and patients. • Length of stay (average number of days of stay). • Household occupancy rate and income rate.
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24. Teaching and Learning Strategies

Strategy	25. Active Learning 26. Group discussions: Encourage students to discuss statistical methods and their applications in groups to promote collaborative learning. 27. Problem-Based Learning: Using real-world problems to apply biostatistical methods to find solutions. 28. Hands 29. Software Training: Introduce students to statistical software (e.g., R, SAS, or SPSS) through guided lessons and practical applications. 30. Data Analysis Projects: Assign students to projects that require the analysis of actual data sets, to link the theoretical aspect with the practical application. 31. Visual aids 32. Graphs and Charts: Use data visualizations to help students understand complex concepts and relationships.
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33. Course Structure

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	2	Definition of Statistics. Data Collection Methods, Presentation and Description of Statistical Data, Preparation of a Form (Unclassified Data) for a Questionnaire.	Definitions and Terms	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
2	2	Data collection methods, presentation and description of statistical data, preparation of a questionnaire (unclassified data) form.	Definitions and Terms	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
3	2	Representation of the frequency distributions of "classified data".	Measures centralism	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework

4	2	Central Trend Measures: Arithmetic Average, Median and Pattern	Measures centralism	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
5	2	Tabular view, iteration distribution tables	View Data	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
6	2	Introduction to Sample Theory, Its Meaning and Reasons for Choosing It	View Data	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
7	2	Vital Statistics	Biostatistics	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
8	2	Percentage, rate, mortality statistics, birth statistics	Biostatistics	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
9	2	Disease statistics	Biostatistics	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
10	2	Definition and sources of health statistics	Biostatistics	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
11	2	Areas covered by life statistics	Biostatistics	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
12	2	Causes of Death Statistics	Biostatistics	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
13	2	Rates and ratios related to hospitals and patients	Biostatistics	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework

14	2	Length of stay (average days of stay)	Biostatistics	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
15	2	Household occupancy rate and income rate	Biostatistics	PowerPoint presentation with whiteboard explanation	Oral test Discussion of coursework
34. Course Assessment					
Students must attend all theoretical lectures, Exams: Exams will be conducted during the course period. • Quiz during theoretical lecture hours. • Theoretical Exams					
35. Learning and Teaching Resources					
Required Textbooks (Methodology, if any)					
Main References (Sources)			• W. Dixon and F. Massey – Introduction to Statistical Analysis • Paul J. Hoyle – Introduction to Mathematical Statistics		
Recommended books and supporting references (scientific journals, reports...)					
Electronic References, Websites					

Course Description Sample (14)

1. Educational institution
Medical Technical Institute/ Kirkuk
2. Scientific Department
Department of Community Health Techniques
3. Course Name/Code
Primary Health Care / CHT 221
4. Available forms of attendance
Attendance
5. semester/year
Second semester/ 2024-2025
6. Number of Credit Hours (Total)
2 hours theory, 2 hours practical. Number of units: 4
7. Date this description was prepared

22/2/2025

8. Course Objectives

1. Introduce and train students on the core concept and importance of Primary Health Care (PHC) in individual, family, and community well-being.
2. Define PHC as a comprehensive and integrated approach to health services, focusing on health promotion, disease prevention, diagnosis, treatment, and rehabilitation, while addressing physical, mental, social, and environmental health needs.
3. Develop student knowledge and awareness of PHC principles through various educational strategies including lectures, discussions, and interactive sessions.
4. Enhance practical skills in PHC such as effective communication with patients and families, data collection, health assessment, and identifying health needs.

9. Course outcomes, teaching, learning and assessment methods

Course outcomes

definition:

Primary Health Care course outcomes are the specific knowledge, skills, and values that students are expected to achieve by the end of the course. These outcomes prepare students to deliver comprehensive, accessible, and community-based health services, focusing on health promotion, disease prevention, early detection, and patient-centered care.

Importance:

1. They help students understand the core principles and scope of primary health care, including prevention, promotion, and community-based interventions.
2. They guide students in applying PHC strategies to assess health needs, promote wellness, and manage common conditions within families and communities.
3. They enable students to deliver equitable, patient-centered care while considering ethical, cultural, and social aspects of community health.

How is it determined:

Outputs	Teaching and learning methods	Evaluation methods
A- Knowledge A1 -Explain the concept and principles of primary health care. A2 - Describe components of PHC including maternal and child care, immunization, and school health. A3 - Identify common community health needs and the role of health workers.	Readings, textbook reading Charts, group discussions Field visits, case analysis	Written exams, Quizzes Assignments Short-answer exams

A4 - Understand the structure and function of primary health care center		
B – Skills B1 - Conduct basic health screening such as blood pressure and blood sugar measurement. B2 - Demonstrate effective communication with patients and families. B3 - Assist in planning and implementing health education sessions. B4 - Participate in vaccination, school health programs, and community outreach.	Demonstration, role play Return demonstration Field training in health centers	Practical exams observation Practical logbook, supervision
C. Values C1 - Show commitment to community service and equity in health care delivery. C2 - Practice cultural sensitivity and ethical behavior during care. C3 - Maintain patient confidentiality and dignity. C4 - Promote teamwork and responsibility in community-based health projects.	Role modeling, discussion Workshops, visual aids Health campaigns Simulation and group discussion	Instructor observation supervisor report Peer and instructor feedback Presentation, verbal assessment
10. Course structure		

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 hours theoretical 2 hours practical	- Define PHC - Outline its history - State its importance - List key strategies - Reflect on health center visit	Introduction to Primary Health Care Definition – Historical Overview – Importance Strategies and Specifications Visit to a Health Center	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
2	2 hours theoretical 2 hours practical	- Explain mother & child care basics - Identify uses of mother/child cards - Record health data accurately	Maternity and Child Care (Mother Card, Child Card) Mother Card and Child Card)	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
3	2 hours theoretical 2 hours practical	- Define IMCI - Explain its main steps - Apply IMCI in PHC setting	Integrated Management of Childhood Illness (IMCI) Practical application of IMCI in primary health care centers	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
4	2 hours theoretical 2 hours practical	- Define school health - Identify care for students/staff - Perform basic student exams	School health and health care for students and school staff. School health and how to conduct initial student examinations.	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
5	2 hours theoretical 2 hours practical	- Identify school environmental risks - Explain school health education basics - Recognize eye & dental care needs	Environmental health in schools. Health education in schools. Eye and dental health..	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
6	2 hours theoretical 2 hours practical	- List vaccine types - Explain EPI basics	Vaccines - Types - Expanded Program on Immunization.	Educational lectures Educational videos	Daily written tests, daily post final semester

		• Demonstrate safe injection methods	Methods of administering injections, vaccines and vaccine doses.	Simulations and group discussions	exams, weekly reports
7	2 hours theoretical 2 hours practical	• Identify reasons for missed vaccines • Recognize risks of incomplete immunization • Suggest follow-up actions for unvaccinated children	Examples from the field of children who have missed vaccinations.	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
8	2 hours theoretical 2 hours practical	• Define cold chain • Identify storage requirements • Maintain vaccine temperature	Cold chain for vaccines.	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
9	2 hours theoretical 2 hours practical	• Define family planning • List contraceptive methods • Explain usage and benefits	Family planning – contraceptive methods	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
10	2 hours theoretical 2 hours practical	• Know the importance of early detection • Identify methods for screening HTN & DM • Conduct BP & blood sugar tests correctly	Early detection of high blood pressure and diabetes. Conducting tests (blood pressure and blood sugar measurement)	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
11	2 hours theoretical 2 hours practical	• Understand importance of early breast cancer detection • Learn breast self-exam steps • Identify when and how to	Early detection of breast cancer. Perform self-examinations for early detection of breast cancer.	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports

		perform self-exam			
12	2 hours theoretical 2 hours practical	- Understand needs of disabled individuals - Recognize types of physical & mental disabilities - Observe care methods during institute visit	Care for the Disabled (Physically and Mentally Disabled) Visit to the Institute for the Physically and Mentally Disabled	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
13	2 hours theoretical 2 hours practical	. Define health rehabilitation - Identify types (physical, mental, social) - Observe rehab services in nursing home visit	Health Rehabilitation Definition and Types of Rehabilitation Visit to a Nursing Home	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
14	2 hours theoretical 2 hours practical	- Understand rural health services structure - Identify rural health team roles - Know key duties in rural settings	Rural health services Rural health team duties	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
15	2 hours theoretical 2 hours practical	. • Understand methods to control communicable & endemic diseases - Identify prevention and control strategies - Observe disease management during Fever Hospital visit	Control of communicable diseases. Control of endemic diseases. Visit to the Fever Hospital.	Educational lectures Educational videos Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports

11. Curriculum Development Plan

- ✓ Content Update: Incorporate modern concepts (community-based care, mental health, chronic diseases).

- ✓ **Practical Emphasis:** Increase clinical training and field visits.
- ✓ **Skills Integration:** Communication skills, health education, and teamwork within health teams.
- ✓ **Use of Modern Teaching Methods:** Active learning, simulation, case studies.
- ✓ **Multi-level Evaluation:** Includes exams, practical performance, and participation.

12. Learning and Teaching Resources

Classrooms, laboratories and workshops	Available
1 – Required textbooks	Available
2 – Main references (sources)	,Maternal and Child Care, Dr. Hana Abyati School Health, Dr. Hana Ahmed and Dr. Moham Wafik . Park's Textbook of. PREVENTIVE. AND SOCI MEDICINE. BHANOT. K. PA
a) Recommended books and references(scient journals, reports, etc.)	Primary Health Care: Theory and Practice" Authors: Sanjay Zodpey, Zahiruddin Syed
b) Electronic references, Internet sites	World Health Organization (WHO) - Primary Hea Care https://www.who.int/health-topics/prim health-care Centers for Disease Control and Prevention (CDC) - Community Hea https://www.cdc.gov/communityhealth/index.html

Course Description Form (15)

1. Course Name					
Health Education and Health Management					
2. Course Code					
CHT207					
3. Semester/Year					
2024-2025					
4. Date of this description					
2025					
5. Available Forms of Attendance					
Standard Attendance Form: A simple form for recording student attendance in a class or session, usually including the date, student names.					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 /2					
7. Name of the course administrator (if more than one name is mentioned)					
Name: Dr. Bushra Nouredin Ghafoor Email: bushranoralden@ntu.edu.iq					
8. Course Objectives					
General Objectives Education and Training of the Health Workforce Special Objectives Providing health care services to individuals and groups				Course Objectives	
9. Teaching and Learning Strategies					
<u>Health Education and Management Course Includes:</u> Providing Health Services and Health Care to Community They deal with them in the field in the fields of public service that serve the people and society. The department aims to graduate technical staff working in the fields of (occupational health and safety, health inspection and control) and to assist in the implementation of Primary health surveillance, health awareness campaigns and assisting the physician in diagnostic procedure the programs implemented in health centers					
10. Course Structure					
Evaluation Method	Learning Method	Name of Unit or Topic	Required Learning Outcomes	Hours	The week
Brainstorming Questions	Presentation, Explanation, Q&A, Discussion	Definitions and Terms	Sender and receiver regardless of the number of people	2	Week
Paper Test	Presentation, Explanation, Q&A, Discussion	Definitions	Health management is one of the most complex systems in terms of expertise and skills	2	2
Seminar	Presentation, Explanation, Q&A, Discussion	Angel Descriptions	The privacy of health management is one of the most complex systems in the health sector	2	3

Electronic Exam	Presentation, Explanation, Q&A, Discussion	Medical Staff	Types of Health Management	2	4
Oral Test	Presentation, Explanation, Q&A, Discussion	The Importance of Leadership	Motivation and Leadership	2	5
Homework	Presentation, Explanation, Q&A, Discussion	Recommendations	Health Education	2	6
Brainstorming Questions	Presentation, Explanation, Q&A, Discussion	Instructions	Providing health services	2	7
Paper Test	Presentation, Explanation, Q&A, Discussion	The importance of the qualities of the workers	Characteristics and Prescriptions of Medical Workers	2	8
Paper Test	Presentation, Explanation, Q&A, Discussion	Introduction	Health	2	9
Brainstorming Questions	Presentation, Explanation, Q&A, Discussion	Definitions	Mental Health	2	10
Paper Test	Presentation, Explanation, Q&A, Discussion	Tips & Guidelines	Prevention of Mental Illness	2	11
Brainstorming Questions	Presentation, Explanation, Q&A, Discussion	Definitions	The concept of compatibility and the conditions of compatibility	2	12
Paper Test	Presentation, Explanation, Q&A, Discussion	Characteristics of Administrative Functions	Administrative Functions		
Brainstorming Questions	Presentation, Explanation, Q&A, Discussion	The Importance of Administrative Functions	Administrative Functions and its Relationship to Work	2	14
Paper Test	Presentation, Explanation,	The Importance of Heredity	Behavioral pattern, role of genetics and environment	2	15

	Q&A, Discussion				
11. Course Assessment					
Students must attend all theoretical lectures, Exams: Exams will be conducted during the course period. - Quiz during theoretical lecture hours. - Theoretical Exams					
12. Learning and Teaching Resources					
			Required Textbooks (Methodology, if a		
- World Health Organization / Eastern Regional Office - Al-Rahma Medical Charitable Association			Main References (Sources)		
			Recommended books and supporting references (scientific journals, reports...)		
			Electronic References, Websites		

Course Description Form (16)

Graduation Project

Graduation Projects for Second Level Students / Morning Study / for the Academic Year 2024-2025

t	Student Names	Name of Supervisor	Project Title
1	1. Mohamed Sobhi Hamid 2. Diyar Yusuf Mohammed 3. Iyad Salah Anwar 4. Abdullah Abbas Hadi 5. Hajar Mohamed Abdel Wahab 6. Mariam Mohamed Jumaa 7. Karrar Mohamed Nouri 8. Mohamed Asaad Mohamed 9. Yousef Nihad Abbas 10. Abdullah Haitham Khalil	Assist. Prof. Dr. Suzan Adel Rashid	Restaurant workers' knowledge of amoebic dysentery infection that causes bloody diarrhea

2	1. Asmaa Dhari Wali 2. Mohamed Nouri Compliance 3. Amira Suhail Jassim 4. Jaafar Danoun Taha 5. Zahraa Ghaleb Ali 6. Ali Muaffaq Mohammed 7. Mariam Muhammad Yahya 8. Nermeen Hamid Reza 9. , Nour Miqdad Abd El Majeed	Assoc. Prof. Dr. Laila Abdel Sattar Sadiq	Vitamin D deficiency and its effect on joints
3	1. Wissam Samir Mustafa 2. Abd El , Malik Adnan Awad 3. Mazen Osama Khalaf 4. Sabir Rahman News 5. Avin Ahmed Hassan 6. Mariam Mohamed Shaker 7. Shaymaa Jamal Mazhar 8. Hawasim Jassim Mohammed 9. Riyam Ghazwan Mahmoud 10. Fayhaa Essam Eddin Shaaban	Assist. Prof. Dr. Laila Abdel Sattar Sadiq	A study on the most important problems faced by people with special needs
4	1. Hussein Ali Saleh 2. Abd Mohamed Issa 3. Hamoud Madhas Mohammed 4. Dunia Makram Othman 5. Hassan Thamer Hussein 6. Sarah Adnan Tawfiq 7. Israa Salah Hassan 8. Ali Ramadan Abdullah 9. Anas Sattar Ali 10. Alaa Adnan Jassim	Assist. Prof. Dr. Sura Hashem Mohamed	Policy Implications for Mental Health

5	1. FINOS MAHDI NAJM 2. Bishop Soran Shukr 3. Sarah Hasan Ali 4. Iman Hasan Abdullah 5. Bahá'u'lláh Muhammad. 6. Zina Omeed Ali 7. Linya Omar Usman 8. Malak Oh Jinn Subhi 9. Woroud Abdullah Hadi	Eng. Fatima Fadel Saleh	The Use of Modern Technology in the Prevention of Infectious Diseases: Challenges and Opportunities
6	1. Malik Saleh Khalaf 2. Yasser Adnan Matar 3. Wael Latif Abd El , Khaliq 4. Mirza Fuad Omar 5. Ahmed Ammar Ibrahim 6. Mariam Hussein Najm 7. Farmisk Fakhreddine Jabbar 8. Gra Sami Mohammed 9. Soma Reza Mohammad	Lect. Jalank Hamid Mahmoud + Assist. Prof. Dr. Fidan Fikrat Ahmed	Thyroid disorders and their relationship to breast cancer
7	1. Sima Gharib Tayfour 2. She's a 3. Maryam Butan Nazif 4. Hasti Mohammad Amin 5. Ahmed Aziz Hassan 6. Diyar Rizkar Rahim 7. Mustafa Saleh Mohamed 8. Omar Nazhan Juma 9. Kawthar Shehab Hamad	Assist. Lect. Mahdi Fadel Khalil	Virtual Assistant for Patients Bast Servants of Artificial Intelligence Technologies
8	1. Hussam Abd El , Rahman Abdallah 2. Saya Wali Mohammed 3. Sherin Mahdi Qadir 4. Amna Shukr Hussein 5. Hussein Abd El , Wahab Hussein 6. Omar Rafi Khader	Dr. Bushra Nouredin Ghafoor	Intellectual security imbalances leading to terrorism

7. Ahmed Safi Khaled
8. Ruqayya Ihsan Ali
9. Ghufraan Ahmad Jas

Graduation Projects for Second Level Students /Evening Study / Academic Year 2024-2025

Project Title	Name of Supervisor	Student Names	t
Assessing the Knowledge of Medical Departments Students about AIDS	Assist. Prof. Dr. Suzan Adel Rashid	1. Dalia Ziad Abdul-Jabbar 2. Dunia Kamran Sbeih 3. Dania Mohammed Mohsen 4. Dalal Othman Mahmoud 5. AIPC Abd El , Amir Ali 6. Yes Suhail Mohammed 7. Rozna Najm Eddin Aziz 8. Shifan Salah Amin 9. Saver Adnan Mohammed	1
Assessing housewives' knowledge of virgin water cysts	Assist. Prof. Dr. Suzan Adel Rashid	1. Shirin Saeed Ahmed 2. Golan Salam Abdul 3. Zilvan Hakim Muhammad 4. Torpedo Aso Cream 5. Zana Salar Ghalib 6. Issa Baba Ali 7. Yahya Hoshyar Ali 8. Fereshteh Khalil Najm al-Din 9. , Biman Abd El Rahim Mohamed	2
Assessing the knowledge of students of scientific departments about polycystic ovary disease	Assist. Prof. Dr. Suzan Adel Rashid	1. Abd El , Rahman Jabbar Khalaf 2. Ashraf Sabah Karim	3

		3. Anmar Amer Hussein 4. Ahmed Samir Mohammed 5. Suleiman Mohamed Suleiman 6. Hassan Kelan Khalil 7. Fatima Burhan Karim 8. Zainab Farhan Saeed 9. Fermisk Hava Sa'dallah	
Study of the prevalence of urinary tract infection and its relationship with anemia	Assist Prof. Dr. Suzan . Adel Rashid + Assist. Prof. Dr. Fidan Fikrat Ahmed	1. Free Speech 2. Ibrahim Khozka 3. Shanga Rafiq 4. Solaf Aras 5. Chiaban Shahab 6. Chenner Shahab 7. It's Ahmed	4
A study on the incidence of autism in the city of Kirkuk	Assist. Prof. Dr. Laila Abdel Sattar Sadiq	1. Ahmed Firas Suhail 2. Abd El , Aziz Harith Abd El , Aziz 3. Emad Hassan Hamoud Madi 4. Ali Hamid Mohammed 5. Israa Adnan Ghaidan 6. Tabarak Abd El , Rahman Hamoud 7. Ibrahim Mahmoud 8. Asma Sayegin Majeed 9. Diana Hassan Abbas 10. Jihan Azad	5
Study of Anemia in Pregnant Women in Kirkuk City	Assist. Prof. Dr. Laila Abdul Sattar Sadek	1. Abu Bakr Rose Ibrahim 2. Haitham Obaid Hussein 3. Hassan Allan Ali 4. Hussein Abbas Hussein 5. Abdullah Shukr Mahmoud	6

		6. Abd El , Rahman Abdullah Hussein 7. Asma Haseeb Mahmoud 8. Iman Hassan Fanoukh 9. Tamara Adnan Mohamed	
Political Medicine is a Reading in Its Foundations and Outputs	Assist. Prof. Dr. Sura Hashem Mohamed	1. Hind Salah Farhan 2. Nila Moayyad Anwar 3. Hiam Ismail Chet 4. Naba Khalil Ali 5. Mariam Mahdi Saleh 6. Sarah Mahdi Saleh 7. Suha Salem Hamadi 8. Hiba Saleh Mana 9. Fatima Sabah Mohammed	7
A Study in the Psychological Causes of Intellectual Extremism	Assist. Prof. Dr. Sura Hashem Mohamed	1. Sazan Talal Ibrahim 2. Janour Khaled Ali 3. Zakaria Yahya Samin 4. Vision of Aided Abdullah 5. Ali Diaa Fatih 6. Jihan Ali Hussein 7. Salman Sarkan Johar 8. Maria Hussein Amin 9. Mohamed Thaer Kamel	8
A Study in National Health Policy	Assist. Prof. Dr. Sura Hashem Mohamed	1. Soma Soldier 2. Hope Sabah 3. Ahmed Rashid 4. Idris Askar 5. Abd El , Salam Ramadan	9
Study of Factors Affecting Chronic Medication Adherence in the Elderly	Lect. Fatima Fadel Saleh + Hawar Sabah Abdullah	1. Dylan Ayub Abdul Karim 2. It's hard to get a grip on it. 3. Sakar Saud Mohammed	10

		4. Shang-e-Ta'i Suleiman 5. Happy Birthday 6. Mizda Shihab Ahmed 7. Hada Abdullahi Karim 8. Maryam Hayman Rashid 9. The Courage of God	
The Role of Health Awareness in Preventing Intellectual Extremism among Youth	Lect. Fatima Fadel Saleh	1. Kowsar Juma Najm 2. Ryan Shirzad Hussain 3. Sara Latif Reda 4. Hawzin Hussain Omar 5. Kazhin Sattar Amin 6. Lavan Mohamed Kaka Amin 7. Sara Nouri Ghafoor 8. Mohamed Sabah Rashid	11
The Impact of Healthy Habits on the Prevention of Infectious Diseases in Schools	Lect. Fatima Fadel Saleh	1. Soma Yassin 2. Bikhal Yassin 3. Zahra Ahmed 4. The Story of Rahim 5. Wood of Hope 6. North Shania 7. It's a tough decision 8. The Sea of Wealth 9. Hugger Advice	12
Study of the effect of fat on type II diabetes	Lect. Jalank Hamid Mahmoud	1. Sarah Qahtan Negm 2. Farah Sobhan Abdullah 3. Fatima Abbas Ali 4. Fatima Adel Jumaa 5. Banin Omran Abbas 6. News of Wessam Ali 7. Mohamed Moayed Hamad 8. Yunus Ya'qub Yusuf	13

		9. Yasser Ammar Hassan	
Studying the effect of sleep on the body's hormones	Lect. Jalank Hamid Mahmoud	1. Ahmed Azad Muhammad 2. Ahmed Bahauddin Anwar 3. I want Othman Kareem 4. Alaa Rashid Mohammed 5. Amira Omar Qadir	14
Urinary tract infection and its relationship to chronic diseases	Lect. Jalank Hamid Mahmoud	1. Ali Salah Mohammed 2. Hisham Mukhtar Refaat 3. Omar Mustafa Hashem 4. Maria Beston Mohammed 5. Amjad Othman Mahmoud 6. Ahmed Youssef Maarouf 7. Mohamed Waleed Ali 8. Ali Emad Eddin Youssef 9. Ghufra Samir Diab	15
Disease Diagnosis Using Deep Learning	Assist. Lect. Mahdi Fadel Khalil	1. Yousef Sabah Mohammed 2. Marwa Hassan Ali 3. Walaa Hussein Ali 4. Aisha Hussain Mohammed 5. Mariam Mutasher Flaih 6. Nawras Marwan Mohammed 7. Huda Wa'ad Allah Mohammed 8. Farouk Nabil Ahmed 9. Mahdi Mohamed Moussa	16
Analysis of Medical Texts with Imaging Processing	Assist. Lect. Mahdi Fadel Khalil	1. Ali Zain al-Abidin is fat 2. Abd El , Ghafoor Mohamed Khalaf	17

		3. Sarah Kazim Ali 4. Shireen Kazem Ahmed 5. Zainab Mohammed Hussein 6. Bariq Amer Kazim 7. Shanaz Ahmed Khorshid 8. Shajwan Azad Ahmed 9. Zwan Hassan Baez	
Health staff knowledge about anemia in Kirkuk city	Lect. Dr. Yas Khader Bayez	1. Abdullah Fadel Abbas 2. Deniz Iyad Mohammed 3. Shahlaa Nafe Hassan 4. Mustafa Yashar Abbas 5. Roza Mustafa Bashir 6. Soma Emad Omar 7. Shahed Ezzedine Fakhreddine 8. Zahraa Arkan Sahib 9. Salsabeel Bashar Jumaa	18
Studying the Causes and Risks of Hookah Abuse among Youth in Kirkuk City	Lect . Dr. Yas Khader Bayez + Rusul Nabil Abdullah	1. Elaf Ismail Mohamed Amin 2. Elaf Fouad Idan 3. Iman Kamal Mohammed 4. Berevan Star Omar 5. Jia Osman Ali 6. Jia Falah Saleh	19
Assessment of community awareness toward vaccines role in preventing infectious diseases	Assist. Prof. Dr. Hussein Mohamed Abdel Fattah Ibrahim + Assist. Prof. Dr. Lizan Medhat Mohamed	1. Haidar Saleh Mahdi 2. Evin Khalil Mustafa 3. Elaf Taj Eddin Shakur 4. Omar Maan Sarhan 5. Mustafa Mohamed Hashem	20

		6. Alaa Beston Shawkat 7. Asma Hamad Akbar 8. Shahkin Abu Bakr Hassan 9. Asma Saleh Qadir	
Prevalence and complications of diabetes mellitus type 2 among attendees of PHCC	Assist. Prof. Dr. Hussein Mohamed Abdel Fattah Ibrahim	1. Ghambar Salah Nouri 2. Helen Najmuddin Juma 3. Abd El , Rahman Fakher Jabbar 4. I don't think I'm going to be honest. 5. Avan Fathallah Ezzedine 6. Diyah Muhammad Ibrahim 7. She's very happy with it. 8. Harim Sabah Abdullah 9. Saah Rohr Anwar Ali	21
Immunity profile of tetanus antibodies among women of childbearing age	Assist. Prof. Dr. Hussein Mohamed Abdel Fattah Ibrahim + Assist. Prof. Dr. Fidan Fikrat Ahmed	1. Nour Elias Khader 2. Marwa Khalil Faydallah 3. Safaa Ahmed Hussein 4. Manar Emad Murshid 5. Shilana Ismail Omar 6. Luna Kawa Hama Amin 7. Nada Kamal Ismail 8. Because he is a great beauty 9. Xi'an Sadruddin Majeed	22
Assessment of medical staff knowledge about first aid for burn patients in the hospitals in Kirkuk city	Assist. Prof. Dr. Burhan Ali Hama Hussein	1. Diwand Sabah Juma 2. Ibrahim Ribwar Najmuddin 3. Bashdar Iyad Naseh 4. Baband Najat Mohiuddin	23

		5. Barham Ahmed Mohammed 6. Aram Azad Usman	
Assessment of medical staff knowledge about the noncompliance to treatment among patients with hypertension in Kirkuk	Assist. Prof. Dr. Burhan Ali Hama Hussein	1. Muhammad Rizgar Salar 2. Heman Ahmed Haider 3. Mohamed Faisal Jumaa 4. The water is not water. 5. Hema Azad Kakel 6. The Familiar Face of Joseph 7. Latif Yousef Mohammed 8. Mustafa Jalal Qasim 9. Mostafa Fereydoun Bakr	24
Assessment of medical staff knowledge about oral problems and management among cancer patients in Kirkuk	Assist. Prof. Dr. Burhan Ali Hama Hussein	1. Rozkar Bakhtiar Mohammad 2. Shaima Shihab Ahmed 3. Ali Asn 4. Aya Moayed 5. Fadak Belmaz 6. Israa Khaled 7. Amira Qalandar 8. Sarmad Muhammad Majeed 9. Soran Hassan Karam	25
Assessment of safe injection techniques in immunization units of primary health care centers in Kirkuk city	Lect. Dr. Kamran Adel Faydah + Assist. Prof. Dr. Lizan Medhat Mohamed	1. Muhammad Sartib Hasib Muhammad 2. My sister Fawad Jassim Yaba. 3. Roya Muayyad Saadallah 4. Roziar Salman Hussain 5. Zainab Nazim Mohammad Suleiman 6. The Optimism of Mustafa Ahmed 7. Lanya Najat Ali Mustafa	26

		8. Dilnia Ahmed Rauf Rahim 9. I'm very happy .with Muhammad	
Knowledge of hepatitis B vaccine among dentists in primary health care centers in Kirkuk city	Lect. Dr. Kamran Adel Faydah + Assist. Prof. Dr. Lizan Medhat Mohamed	1. Dr. H and N Jawamir Wali 2. Shalaw Shukr Ramadan	27
Assessment of community awareness of the role of vaccines in preventing communicable diseases	Lect. Dr. Kamran Adel Faydah + Assist. Prof. Dr. Lizan Medhat Mohamed	1. Abdullah Ali Nusrat 2. Ali Ahmed Khalaf 3. Hero Jaafar Ahmed 4. Walaa Hussein Ali 5. Abdullah , Hashem Abd El Qadir	28