



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 2025 – 2026

preparation

Assist. Prof. Dr. Ibrahim Mohammed Saeed

Assist. Lect. Mahdi Fadil Khaleel

Assist. Lect. Hawar Sabah Abdullah

Institute: Kirkuk Medical Technician

Scientific Department: Community Health Techniques

Curriculum: Courses

Preparation Date: 5 \ 9 \ 2025

File Filling Date: 10 \ 6 \ 2026



Signature:

Assist. Prof. Dr. Ibrahim Mohammed Saeed

Head of Department

Date: 10 / 6 / 2026

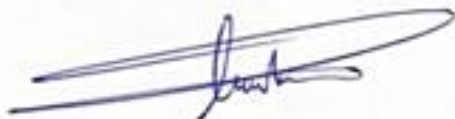


Signature:

Assist. Prof. Dr. Ali Najdat Nosrat

Scientific Assistant

Date: 10 / 6 / 2026



Signature:

The file was audited by the Division of Quality Assurance and University Performance

Name of Director of Quality Assurance and University Performance:

Assist. Lect. Mohammed Hakeem Khalaf

Date: 10 / 6 / 2026



Signature :

Assist. Prof. Dr. Lezan Medhat Mohamed

Endorsement of the Dean

10 \ 6 \ 2026

First/ Program Vision

Excellence and leadership in community health technologies education, scientific research, and community service, to achieve a sustainable health environment at the local and regional levels.

Second: Program Mission

To provide high-quality education in community health technologies to prepare scientifically and professionally qualified technical personnel who contribute to improving public health through advanced educational programs, purposeful scientific research, and effective community partnerships.

III. Program Objectives

1- Academic Excellence:

Develop academic programs in line with quality and accreditation standards, and enhance the efficiency of educational outcomes to meet labor market requirements in the field of community health.

2- Scientific Research and Innovation:

Promote a culture of scientific research and innovation in the field of community health technologies, and support applied research that contributes to solving community health problems.

3- Community Service:

Activate the department's role in serving the community through health awareness campaigns and community initiatives, and build effective and sustainable community partnerships.

4- Professional and Leadership Development:

Support the professional and leadership development of faculty members and students through continuous training, capacity building, and leadership skills.

5- Financial and Material Sustainability:

Enhance the efficient use of financial and material resources, and develop funding sources to support academic and research programs and community service.

6- Governance and Transparency:

Apply the principles of good governance in management and decision-making, and instill the values of transparency and accountability in all department activities.

7- International and local cooperation:

Building strategic partnerships with local and international academic and healthcare institutions to exchange expertise and enhance training, development, and research opportunities.

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	8
2.	Master	12
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 (2025 – 2026)

No.	Teaching Name	Certification	Scientific Title	Exact Specialization	Observations
1	Le zan Medhat Mohamed	PhD	Assistant Professor	Pathologic analysis techniques	Dean
2	Ali Najdat Nusrat Sadek	PhD	Assistant Professor	Electronics & Communications	Assistant Dean
3	Ibrahim Mohammed Saeed	PhD	Assistant Professor	Medical Microbiology	Head of Department
4	Laila Abd El , Sattar Sadek Suleiman	PhD	Assistant Professor	Animal physiology	Teacher
5	Suzan Adel Rashid Bahgat	PhD	Assistant Professor	Medical Microbiology	Teacher
6	Sura Hashem Mohamed Sadek	PhD	Assistant Professor	Political science	Teacher
7	Bushra Nouredine	PhD	lecturer	Educational Psychology	Teacher / Associate of Educational

	Ghafoor Qadir				Guidance and Guidance Unit
8	Jalank Hamid Mahmoud Saleh	PhD	lecturer	physiology	Teacher
9	Samira Hassan Abdullah Mustafa	Master	lecturer	Science in Medical Physics	Teacher
10	Fatima Fadel Saleh Mahmoud	Master	Lecturer	Nursing/Community Health	Teacher
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	Teacher
13	Rusul Nabil Abdullah Mohiuddin	Master	Assistant Lecturer	Biology	Teacher
14	Noor Ali Yahya Abd El , Razzaq	Master	Assistant Lecturer	Biology	Teacher
15	Maad Abdullah Mansour	Master	Assistant Lecturer	Biology	Teacher
16	Laila Abbas Omar Mohammed	Master	Assistant Lecturer	Arabic Language / Language	Teacher
17	Jassim Mohammed Hassan Hussein	Master	Assistant Lecturer	Arabic Language / Language	Teacher

18	Hanan Faisal Ghazi Mohammed	Master	Assistant Lecturer	English / Linguistics	Teacher / Digital Warehouse Administrator
19	Cheia Majeed wahhab	Master	Assistant Lecturer	veterinary medicine and surgery	Teacher
20	Alaa Etihad Younis Ahmed	Master	Assistant Lecturer	Computers/Programming	Teacher / 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)			
Level I 2025-2026				A1	A2	A3	A4	B 1	B 2	B 3	B 4	C2	C3	A4	B1	B2	B3	D4
	English (compulsory)	NTU 101	University Requirement s (g)	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	X	✓	✓	X	✓
	Democracy and Human Rights (Compulsory)	NTU 100	University Requirement s (g)	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	X	✓	✓	✓
	Arabic Language (Compulsory)	NTU 103	University Requirement s (g)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	General Anatomy (Compulsory)	MTIK 107	Institute Requirement s (a)	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	X	✓	X	✓	✓
	Safety of Laboratories and Workshops (Mandatory)	MTIK 108	Institute Requirement s (a)	✓	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	X
	Principles of Nursing (Compulsory)	CHT 110	Department Requirement s (a)	✓	✓	✓	✓	X	✓	✓	✓	X	✓	✓	X	✓	✓	✓
	Microbiology (compulsory)	CHT 112	Department Requirement s (a)	✓	✓	✓	✓	✓	X	✓	X	✓	✓	X	✓	✓	✓	X
	Biochemistry (compulsory)	CHT 113	Department Requirement s (a)	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	X	✓	✓	✓
	Community Health (Compulsory)	CHT 114	Department Requirement s (a)	✓	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	X	✓	✓

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

Level	Course Name	Course Code	Basic (A) Non-core (g)	Cognitive Objectives				Emotional Goals				General Skills						
Second Level 2025-2026				A1	A2	A3	A4	B 1	B 2	B 3	C1	C2	C3	A4	B1	B2	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 (2025 – 2026)														
Formation Name		Medical Technical Institute/ Kirkuk			Morning Study				Evening Classes				Total Commissioning Hours	Observations
section		Community Health Technologies												
t	Triple Name	Scientific Title	Certification	Jurisdiction	Subjects	Quorum	Total Commissioning Hours	Overtime	Subjects	Quorum	Total Commissioning Hours	Overtime		
1	Lizan Medhat Mohamed	Assistant Professor	PHD	Pathological Analysis Techniques	Safety in lab. And workshop									Dean
	Ali Najdat Nusrat	Assistant Professor	PHD	Electronics and Communications Engineering	Occupational & Health Safety									Dean assistant
1	Ibrahim Mohamed Saeed	Assistant Professor	PHD	Medical Microbiology	Community Health	4	10	6	Community Health/Volume (4N+4P) 1		6	4	16	Head of Department
2	Laila Abd El , Sattar	Assistant Professor	PHD	Animal physiology	Pharmacology /m2 (4N+4P)	6	8	2	Pharmacology /m2 (4N+4P)		12		20	

	Sadek Suleiman													
3	Sura Hashem Mohamed Sadek	Assistant Professor	PHD	Political science	Democracy and Human Rights/Vol. 1 (4N) Crimes of the Baath Regime in Iraq / M2 (4N) Psycho-Educational Counseling M2 (2N)	10	10	0					10	
4	Bushra Nouredine Ghafoor Qadir	teacher	PHD	Educational Psychology	Education and Health management	8	4	-4	Education and Health management		4		8	
5	Fatima Fadel Saleh Mahmud	teacher	Master	Nursing Sciences/ Community Health Nursing	Principles of Nursing / Vol M1 (4N,4P)	6	8	2					8	
6	Suzan Adel Rashid	Assistant Professor	PHD	Medical Microbiology	Microbiology M1 (4N+6P) /	10	10	0					10	
7	Gol Jamin Medhat Abdullah Hussein	Assistant Lecturer	Master	Life Sciences/Microbiology	Communicable diseases (4 p 4 +	10	8	2	Communicable diseases (8 p 8 +		8		16	
128	Jalank Hamid Mahmud Saleh	teacher	PHD	Life Sciences/Physiology	Occupational & Health Safety / M2 (1N+3P)/ Health inspection and control (4N+4P)	10	12	2	Occupational & Health Safety / M2 (1N+3P)/ Health inspection and control (4N+4P)		16		24	
9	Mahdi Fadel Khalil Ibrahim	Assistant Lecturer	Master	Computer Science	Computer/M2 (2N+2P) Psycho-Educational Counseling M1 (2N)	10	6	-4	Computer M2 (4N+4P) Community Health		4		10	
10	Hawar Sabah Abdullah	Assistant Lecturer	Master	Chemical Sciences/ Biochemistry	Biochemistry M1 (2N+6P) / Pharmaceuticals/m2 (4G)	12	12	-2	Biochemistry (1N+3P) Pharmaceuticals/m2 (4G)		12		24	

	Hamad Al-Din													
11	Rusul Nabil Abdullah Mohiuddin	Assistant Lecturer	Master	Life Sciences/ Environmental Science	Safety of Laboratories and /Workshops 1M (2N) Occupational & Health Safety / M2 (6P)/ Health inspection and control (4P)	12	12	-2	Safety of Laboratories and /Workshops 1M (2N)				12	
12	Cheia Majeed Wahhab	Assistant Lecturer	Master	veterinary medicine and surgery	Medicine M2 (4N+8P)	14	12	2	Medicine M2 (4N+8P)		12		24	
13	Laila Abbas Omar Mohamed	Assistant Lecturer	Master	Arabic Language	Arabic Language/ M2 (4N)	6	4	-2	Psycho-Educational Counseling M1 (2N)		8		12	
14	Hanan Faisal Ghazi Mohamed	Assistant Lecturer	Master	English	English / Language Volume 1 / (16N) Department of Nursing	10	16	6	English Language / (2n) Department of Nursing		2		18	
16	Jassim Mohamed Hassan	Assistant Lecturer	Master	Arabic Language		6		-6	Arabic Language/ M2 (4N) Psycho-Educational Counseling M1 (2N)		6		6	
17	Alaa Ittihad Younis Ahmed	Assistant Lecturer	Master	Computers/Programming	Health and Medical Technical / College / Kirkuk Department of Technology of Industrial College 6P	10	10							
18	Atheer Hamoud Abdullah Moussa	Senior Agricultural Engineer	Bachelor	Bachelor of Agriculture and Forestry Food Science and Biotechnology	Microbiology Volume 1 / (6p) Occupational Health & Safety / M2 (6G)	12	12		Microbiology (6p) Occupational Health and Safety (12p)		12		24	
19	Songul Tawfiq Muhammad Uzair	Chief Veterinarians	Bachelor	veterinary medicine	Anatomy/M1 (4P) Community Health/Volum(4P)	10	10	0					10	
20	Najwan Mohamed Mustafa	Head of technician trainer	diploma	Community Health	/ Anatomy Volume 1 (4G) Principles + / of Nursing Volume 1 (4D)	14	16	2					16	

	Mohamed				Internal Medicine / M2 (8p)									
21	Shilana Assi Shawkat	Senior Technical Trainers	diploma	Community Health	Principles of Nursing / Vol + (4G) 1 Community Health / V1 (6G)	14	16	2					16	
					Microbiology Volume 1 / (6P)									
22	Gulan Salah Qadir Mahmud	Assistant Chemist	Bachelor	Chemistry Sciences	Biochemistry Volume 1 / (6p)	20	10	0			11	4	21	
					Pharmaceuticals/m2 (4G)									
23	Amjad Khurshid Juma Hussein	Assistant Technical Coach	diploma	civil	Computer/m2 + Health (2p) Computer/m2 Nursing (16p)	16	18	2					18	
24	Zainab Jamal Saleh	Ministerial contract	Bachelor	Life Sciences	Biochemistry Volume 1 / (6p)		16						16	
					Occupational & Health Safety / m2 Health + (6G) & Inspection Control / m2 (4G)									
31	Nizamuddin Qadir Hassan	Senior Medical Associate Head	diploma	Community Health	Medicine / M2 and (4) Communicable Diseases M2 (2)		6			Internal Medicine (8) and Communicable Diseases (4)	12		18	
32	Wissam Ibrahim Ahmed	Chief Medical Associate	diploma	Community Health	Medicine / M2 and (4) Communicable Diseases M2 (2)		6			Internal Medicine (8) and Communicable Diseases (4)	12		18	

Assignments of Teachers, Technicians, Associates and Ministerial Contracts

Second Semester of the Academic Year (2025-2026)

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) (N 4)A+B / (Department of Nursing Technologies	2	4	2	Prescribed Takhraj/ M2 (8 (.A.D		8		12	Dean
2	Ali Najdat Nusrat	Assistant Professor	Doctor	Electronics and Communications Engineering	Biostatistics	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	Ibrahim Mohammed Saeed	Assistant Professor	PHD	Medical Microbiology	Epidemiology	4	6	2	Epidemiology		8		14	/ Teaching Head of Department
4	Laila Abd El , Sattar Sadek Suleiman	Assistant Professor	Doctor	Animal physiology	Physiology	8	18	10	Physiology		22		40	Teaching / (Age over 50 years)
														Head of the Laboratory Safety and Biosecurity Unit
5	Suzan Adel Rashid	Assistant Professor	Doctor	Medical Microbiology	Medical Microbiology	10	12	2	Medical Microbiology		6		18	Teaching
6	Sura Hashem Mohamed Sadek	Assistant Professor	Doctor	Political science	Professional Ethics/M2 (4N)	8	6				6		12	Teaching / Member of the Educational Guidance Committee / First Level
					Physical activity									Curriculum Supplement in the Evening (2 (hours Research Project
7	Bushra Nouredine Ghafoor Qadir	Lecturer	Doctor	Educational Psychology		8	10	2	Professional Ethics				10	Head of the Psycho-Educational Counseling Unit
8	Fatima Fadel Saleh Mahmoud	Lecturer	Master	Nursing Sciences/ Community Health Nursing	Primary Health Care	8	10	2			22		32	Teaching
														Officer of the Technology Incubator Unit
9	Jalank Hamid Mahmoud Saleh	Lecturer	Master	Life Sciences/Physiology	Services community health	6	10	4	Services community health		22		24	Teaching / PhD student / Part-time

10	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 (6 Hours)
11	Hawar Sabah Abdullah Hamad Al-Din	Assistant Lecturer	Master	Chemical Sciences/ Biochemistry	Clinical / Chemistry M1 (4N+6P)	14	10	0			18		28	Teaching / Supplementary Curriculum in the Evening Community Health Services Practical (4 Hours)
12	Rusul Nabil Abdullah Mohiuddin	Assistant Lecturer	Master	Life Sciences/	Epidemiology	14	10	0			16		26	Teaching / Supplementary Curriculum in the Evening Practical Microbiology (4 Hours)
				Environmental Science										
13	Noor Ali Yahya Abdul Razzaq	Assistant Lecturer	Master	Life Sciences/Parasites	Medical terminology	0	0	0	////				0	/ Teaching Maternity Leave
14	Laila Abbas Omar Mohammed	Assistant Lecturer	Master	Arabic Language	Arabic Language	6	4	0			4		8	Teaching / PhD student / Part-time
														/ Teaching Supplementary Curriculum in the Evening Arabic Language (2 Hours)
15	Hanan Faisal Ghazi Mohammed	Assistant Lecturer	Master	English language	English Language	10	12	2	English Language		4		16	Teaching / Digital Warehouse Unit Officer
16	Jassim Mohammed Hassan Hussein	Assistant Lecturer	Master	Arabic Language		6	6		Arabic Language				6	Teaching / PhD Student / Part-time
17	Alaa Ittihad Younis Ahmed	Assistant Lecturer	Master	Computers/Programming	Computer + M2 (2P) Anatomy M1 Health / (9P) and Medical Technical College	10	11	1						/ Teaching Head of the Summer Training Unit
18	Atheer Hamoud	Senior Agricult	Bachelor	Bachelor of Agriculture and Forestry	Medical Microbiology M1 (6P) /	12	12		Medical Microbiology		12		24	Community Health

	Abdullah Moussa	ural Engineer							Volume 1 / (6P)					Laboratory Officer
				Food Science and Biotechnology	Community Health Services / M1 (6G)				Community Health Services / M1 (6G)					
19	Najwan Mohamed Mustafah	R. Motherbin Finnin	diploma	Community Health	Clinical Chemistry + Vol. 1 (4G)) Sports/M1 (2G)	14	14		////		8		22	technician
					Internal Medicine / M2 (8p)									
20	Shilana Assi Shawkat	Senior Technician Trainers	diploma	Community Health	Community Health / Services Volume 1 Public + (6G) / Health Volume 1 (4G)	14	14	0			8		22	technician
					Epidemiology M2 (4p)/									
21	Gulan Salah Qadir Mahmoud	Chemical assistant	Bachelor	Chemistry Sciences	Clinical Chemistry	16	10	0			14		24	In charge Physiology Laboratory
														Curriculum Supplement in Evening Clinical Chemistry (6) Practical
22	Amjad Khurshid Juma Hussein	Assistant Technician Coach	diploma	Civil	Computer Physical activity	16	12		Computer Physical activity		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)
23	Zainab Jamal Saleh	Ministerial contract	Bachelor	Life Sciences	Medical Microbiology Volume 1 / + (6D) Primary / Health Care Volume 2 (4D)		10						10	Ministerial contract
24	Nizamuddin Qadir Hassan	Senior Medical Associate Head	diploma	Community Health	Surgical Medicine / M2 (p 4) Epidemiology m2 (2 p) /		6		Surgical Medicine / M2 (8) Epidemiology M2 (4)		12		18	Kirkuk Teaching Hospital
25	Wissam Ibrahim Ahmed	Chief Medical Associate	diploma	Community Health	Surgical Medicine / M2 (p 4) 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/2025	
4. Date of this description	
12/10/2025	
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 experiment 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					
References			كتاب "حقوق الإنسان والديمقراطية"		
Electronic References, Websites			https://ikr.atu.edu.iq/wp-content/uploads/2025/10f		

Course Description Template(2)

1. Course Name	
Arabic Language	
2. :Course Code	
NTU 103	
3. Semester/Year	
First Level / First Semester 2026/2025	
4. Date of this description	
12/10/2025	
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 of Holy Qur'an. - Identify the places of beauty in the Arabic language and its literature. - Introducing the student to the correct Arabic language words, structures, and methods.
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.
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 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 of lecture	test oral
7	2	Recognize the types of actions and differentiate between them	Effects	Discussion method, And the method of lecture	test oral
8	2	Enable the student to write numbers Correct Writing	Number	Discussion method, And the	test oral

				method of lecture	
9	2	Recognizing Language Errors Rumors and avoid them	Applications of Language Errors Rumors	Discussion method, And the method of lecture	test oral
10	2	Recognizing Language Errors Rumors and avoid them	Applications of Language Errors Rumors	Discussion method, And the method of 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 of lecture	test oral
12	2	Recognizing the Formal Aspects Administrative Letter	Formalities Administrative Discourse	Discussion method, And the method of lecture	test oral
13	2	Familiarize yourself with the language of administrative discourse	The Language Administrative Discourse	Discussion method, And the method of lecture	test oral
14	2	Familiarize yourself with the language of administrative discourse	The Language Administrative Discourse	Discussion method, And the method of lecture	test oral
15	2	Learn about sample correspondence Administrative	Administrative correspondence forms	Discussion method, And the method of 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

References	كتاب "اللغة العربية العامة"
Electronic References, Websites	/https://cl.mtu.edu.iq

Course Description Template(3)

1. Course Name				
Computer				
Course Code .2				
NTU 102				
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 of computers. Use applications. Learn about information 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	Evaluation Method
1	2	Learn about .network secur	Security and Networking.	The exam is civil and not
2&3	2	Learn about e-shopping	E – Commerce.	The exam is civil and not
4&5	2	Knowing computer problems	Computer Troubleshooting.	The exam is civil and not
6&7	2	The Introduction to Artificial Intelligence	Introduction to AI.	The exam is civil and not
8	2	The importance of artificial intelligence	AI in Our Daily Lives.	The exam is civil and not

9&10	2	Applications of artificial intelligence	Application of AI.	The exam is civil and not
11&12	2	Artificial Intelligence and Society	AI and Society.	The exam is civil and not
13&14	2	Challenges of artificial intelligence	Ethical challenges in AI.	The exam is civil and not
15	2	The future of artificial intelligence	The Future of AI.	The exam is civil 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				
References			"Introduction to Computers for Healthcare Professionals"	
Electronic References, Websites			https://openstax.org/details/books/introduction-computer-science	

Course Description Template(4)

1. Course Name:
Physiology
2. Course Code
MTIK 106
3. Chapter/
First Year 2026-2025
4. Date of this description
12-10-2025
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

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 of 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	4	The Concept of Physiology	The basics of life and the cell, its components, types and basic functions	Lecture	Daily + Monthly Exam
2	4	Definition of Blood	Blood Components. Plasma Hemoglobin molecule Blood clotting factors Blood types	Lecture	Daily + Monthly Exam
3 + 4+5	4	Circulation device	Cardiovascular Structure Types of Valves Sounds of the heart Cardiac circulation Heartfelt Presentation blood pressure	Lecture	Daily + Monthly Exam
6+7	4	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 Respiratory volumes Pulmonary-respiratory capacities Capacitance Meter How to calculate capacities	Lecture	Daily + Monthly Exam
8+9	4	Nervous system	Neurons and types of nerves	Lecture	Daily + Monthly Exam

			Central nervous system (brain and spinal cord) Peripheral nerves in the body Autonomic nervous system and its functions, Neurochemical Transporters Cerebral meninges Meningeal layers		
10+1 1	4	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+1 3	4	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	4	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	4	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

References	"Guyton and Hall Textbook of Medical Physiology"
Electronic References, Websites	https://www.youtube.com/playlist?list=PLzobTwBgXD5gPd554eJ1ccPBMC16ocXyF

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.

1- Educational Institution	1. Ministry of Higher Education and Scientific Research/ Northern Technical University/ Technical Institute/ Kirkuk
2- Scientific Department / Center	2. Community Health Technologies
3- Course Name/Code	3. General anatomy / MTK 107
4- Available Forms of Attendance	4. Came
5- Semester/Year	5. System of Regulations
6- Number of Hours (Total)	2 theoretical + 2 practical per week 1. 4×15 = 60 hours per year
7- Date of this description	2. 12 /10/ 2025
3. 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.	

4. 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.

5. Teaching and learning methods

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

6. 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.**

Week	Hours	Unit / Topic	Required Learning Outcomes	Teaching Method	Assessment Method
1	4	Introduction to Anatomy	Understand anatomical levels and terminology	Lecture + Models	Pre-test
2	4	Body Cavities and Regions	Identify body cavities and their contents	Lecture + Illustrations	Daily Written Quiz
3	4	Axial Skeleton	Identify the bones of the skull, vertebral column, and thorax	Lecture + Discussion	Feedback through Questioning

4	4	Appendicular Skeleton	Identify the bones of the limbs and girdles	Lecture + Bone Models	Pre-test
5	4	Joints of the Body	Classify joints and describe their movements	Lecture + Laboratory	Daily Written Quiz
6	4	Muscular System	Identify skeletal muscles	Lecture + Models	Feedback through Questioning
7	4	Central Nervous System	Describe the parts of the central nervous system	Lecture + Models	Pre-test
8	4	Peripheral Nervous System	Identify cranial and spinal nerves	Lecture + Brain Models	Daily Written Quiz
9	4	Cardiovascular System	Identify the organs of the cardiovascular system	Lecture + Models	Feedback through Questioning
10	4	Respiratory System	Identify the organs of the respiratory system	Lecture + Models	Pre-test
11	4	Digestive System	Identify the organs of the digestive system and the pathway of food	Lecture + Models	Daily Written Quiz
12	4	Urinary System	Describe the kidneys, ureters, urinary bladder, and urethra	Lecture + Models	Feedback through Questioning
13	4	Reproductive System	Differentiate between the male and female reproductive organs	Lecture + Models	Pre-test
14	4	Endocrine System	Identify the endocrine glands and their locations	Lecture + Diagrams	Daily Written Quiz

15	4	General Review	Comprehensive review of all body systems	Questions & Answers + Discussion	Feedback through Questioning
References			"BD Chaurasia's Human Anatomy"		
Electronic References, Websites			https://www.youtube.com/playlist?list=PL1rd46Tsd3dmkqyY7lzwU-k0oP4fZxGDj		

Course Description Template(6)

1. Course Name					
Chemistry Clinical					
2. Course Code					
CHT 116					
3. Semester/Year					
Second Semester 2026/2025					
4. Date of this description					
12/10/2025					
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	5	Introduction to Clinical Chemistry	Introduction to	Educational Lectures	Daily and Monthly

		- Laboratory supplies - Separation techniques - Sample types Disposal of hazardous materials	Clinical Chemistry	Presentations and group discussions	Exam Daily Participations
2&3	5	body fluids (Milk, Cerebrospinal Fluid, Blood and Urine) Me. Blood - Configuration and Functions - Blood clotting and hemolysis - Preventing blood clotting - Hemolysis. Secondly. urine - Formation - Secretion - Normal and abnormal urine intake -urinalysis (Physical and Chemical Properties)	body fluids	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations
4	5	- 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	5	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	5	Enzymes Clinical Enzymology - □ (ALT, AST, GGT, ALP, ACP)	Enzymes	Educational Lectures	Daily and Monthly Exam Daily

		- 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 Hepatitis Disease Test		Presentations and group discussions	Participations
9 & 10	5	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	5	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	5	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
	5				

14		Nucleotides - Cancer – Differentiation of cells, carcinogens, and cancer treatment - Tumor markers - Free radicals - Clinical Significance (Lipoid Peroxidation)	Nucleotides	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations
15	5	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					
References			"Clinical Chemistry: Principles, Techniques, and Correlations"		
Electronic References, Websites			https://www.youtube.com/watch?v=XQQvFCcJo		

Course Description Template(7)

1. Course Name:	
English	
2. Course Code	
NTU 101	
3. Semester/Year	
2025 Chapter Two	
4. Date of this description	
12/10/2025	
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 key 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

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	
References	"Oxford English for Careers: Nursing"
Electronic References, Websites	https://www.youtube.com/watch?v=Oa2WVpDil8U

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 2026-2025					
4. Date of this description					
2025/10/12					
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
1	2	Laboratory Equipment Safety Condition - Safety Precautions Chemicals Glassware Electrical Appliance Hazards	Basic Equipment in Laboratory - Safety Precautions for Work in Laboratories	Lecture	width Introduction, Explanation, Questions Answers.

2	2	- Fires and th types Fire Prevention	conflagrations	Lecture	Presentation, Explanation, Questions Answers.
3	2	Fire extinguish means - means Fire alarm	conflagrations	Lecture	Presentation, Explanation, Questions Answers.
4	2	Types Importance of F Extinguisher	conflagrations	Lecture	Presentation, Explanation, Questions Answers.
5	2	Types equipment conditions for P	Personal Protect Equipment	Lecture	Presentation, Explanation, Questions Answers.
6	2	Types equipment conditions for P	Personal Protect Equipment	Lecture	Presentation, Explanation, Questions Answers.
7	2	Chemical hazard and how to d with them-Type of chemicals-	Chemical hazards	Lecture	Presentation, Explanation, Questions Answers.
8	2	Sources, typ and benefits radiation	Radiological hazards	Lecture	Presentation, Explanation, Questions Answers.
9	2	Classification a biohazard levels	Biological hazards	Lecture	Presentation, Explanation, Questions Answers.
10	2	Definition, typ and methods disposal	Laboratory Disposal	Wa Lecture	Presentation, Explanation, Questions Answers.
11	2	Definition, typ and methods disposal	Laboratory Disposal	Wa Lecture	Presentation, Explanation, Questions Answers.

12	2	Types of warning signs	Warning Signs Laboratories	Lecture	Presentation, Explanation, Questions Answers.
13	2	The Importance of First Aid - First Aid Kit Contents	First Aid in Laboratories	Lecture	Presentation, Explanation, Questions Answers.
14	2	Tips for Handling Chemicals in Laboratory	Chemicals	Lecture	Presentation, Explanation, Questions Answers.
15	2	Such as physical hazards – their types	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

References	"Biosafety in Microbiological and Biomedical Laboratories" (BMBL)
Electronic References, Websites	https://www.youtube.com/watch?v=W1Bkd7gx794

Course Description Template(9)

1. Course Name:
Medical Terminology
2. Course Code
MTIK 109
3. Semester
First Year 2026-2025
4. Date of this description
12-10-2025
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				
	8. Teaching and Learning Strategies				
9. Strategy	a. Qualification to work in health inspection and control teams and assistance in laboratory investigation of tested samples b. and the extent to which they comply with health conditions				
10. Course Structure					
week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	2	Introduction to Medical Terminology	Introduction to Medical Terminology	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
2	2	Basic Structure of the Word	Basic Structure of the Word	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
3	2	Root	Root	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
4	2	Prefix	Prefix	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
5	2	Subsequent	Subsequent	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
6	2	Base of combining vowels	Base of combining vowels	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
7	2	Forms of the plural	Forms of the plural	Lecture	Daily written tests, daily posts, final semester exams, weekly reports

8	2	Medical Terminology and Pathology	Medical Terminology and Pathology	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
9	2	Cardiovascular System Terminology The terminology of the nervous system	Cardiovascular System Terminology and Terminology of the nervous system	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
10	2	Dental terminology, mouth and face area	Dental terminology, mouth and face area	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
11	2	Blood and lymphatic system terminology	Blood and lymphatic system terminology	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
12	2	Gastrointestinal Terminology Urinary System Terminology	Gastrointestinal Terminology Urinary System Terminology	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
13	2	Respiratory Terminology	Respiratory Terminology	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
14	2	Situation and Trend Terminology	Situation and Trend Terminology	Lecture	Daily written tests, daily posts, final semester exams, weekly reports
15	2	Musculoskeletal System Terminology	Musculoskeletal System Terminology	Lecture	Daily written tests, daily posts, final semester exams, weekly reports

7. Course Evaluation	
8. 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	
9. Learning and Teaching Resources	
References	"Medical Terminology: A Short Course"
Electronic References, Websites	https://www.google.com/search?q=https://www.youtube.com/watch%3Fv%3DJ8y8pl_R2Qc

Course Description Template(10)

1. Course Name: principle of Nursing					
principle of Nursing					
2. Course Code:					
CHT 110					
3. Semester / Year: FIRST					
First semester/ 2026-2025					
4. Description Preparation Date:					
2025/10/12					
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	4	Introduce students the basic concepts: health, patient, illness and	Introduction ,defining of fundamental of Nursing health,	Educational lectures Educational videos	Daily written tests, daily posts, final semester exams, weekly reports

		hospital. Explain the role of nursing basic in providing health care. Apply basic concepts in nursing practice	patient, disease, hospital. Nursing	Simulations and group discussion	
2	4	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	4	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 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	Vital signs, temperature.	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports
4	4	They are the importance of measuring blood pressure in assessing the patient's health	Vital signs, blood pressure.	Educational lectures Educational videos	Daily written tests, daily posts, final semester exams, weekly reports

		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.		Simulations and group discussion	
5	4	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 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.	Vital signs, respiration and pulse.	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports
6	4	Understand the concept of sterilization and the	Sterilization, types of	Educational lectures	Daily written tests, daily posts, final

		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.	antiseptic, Aseptic technique	Educational videos Simulations and group discussion	semester exams, weekly reports
7	4	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. 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.	Dressing, hand washing ,	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports
8	4	Understand the types of medications and their uses in treating various health conditions. Know the different methods of administering medications (such as oral, injection,	Medication, ways of drug administration	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports

		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 medications on the patient and provide the necessary care the event of side effects.			
9	4	Understand the concept of intravenous infusion and the importance its use in providing medications and solutions to the patient quickly and effectively. Learn the technique for intravenous infusion correctly, including determining the appropriate location for needle 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.	Injection, type parenteral.	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports
10	4	Understand the concept of unconsciousness and the various causes	First Aid, unconscious.	Educational lectures Educational videos	Daily written tests, daily posts, final semester exams, weekly reports

		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.		Simulations and group discussion	
11	4	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 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.	First aid, burns	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports
12	4	Understand the types of bleeding (external, internal, arterial, venous) and their causes and effects	First aid, bleeding	Educational lectures Educational videos	Daily written tests, daily posts, final semester exams, weekly reports

		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.		Simulations and group discussion	
13	4	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 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.	First aid , fractures .	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports
14	4	Understand the types of shock (hemorrhagic shock, cardiogenic shock, neurological shock, etc.) and their causes.	Shock	Educational lectures Educational videos	Daily written tests, daily posts, final semester exams, weekly reports

		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		Simulations and group discussion	
15	4	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 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.	Suction of secretion	Educational lectures Educational videos Simulations and group discussion	Daily written tests, daily posts, final semester exams, weekly reports
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					

References	"Brunner & Suddarth's Textbook Medical-Surgical Nursing"
Electronic References, Websites	https://www.youtube.com/playlist?list=PLdXLOUXGhFGIAF2OMnum2z1vJJPHo8JR

Course Description Sample (11)

1. Course Name					
Community Health Services					
2. Course Code					
CHT 111					
3. Semester/Year					
Second Semester of the Academic Year 2026-2025					
4. Date of this description					
12/10/2025					
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: 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 the principles and recommendations of each health service provided in the curriculum.			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. Must. The student should be able to evaluate existing health services by comparing them with the principles mentioned in the guidelines and recommendations.		
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
1	5	Healthcare Levels- Health Center - Activities What is different from hospital	Healthcare	Lecture	Presentation Explanation, Questions And answers. discussion
2	5	- Primary Health Care Sponsorship Programs Primary Health- Goals and Strategies	Primary Health Care	Lecture	Presentation, Explanation, Questions Answers.

3	5	Primary Health Care Goals and Strategies	Primary Health Care	Lecture	Presentation, Explanation, Questions Answers.
4	5	Maternal and Child Care - Objectives - Importance	Maternity Care	Lecture	Presentation, Explanation, Questions Answers.
5	5	Health Services Provided - Important Tests - Risk Factors	Maternity Care	Lecture	Presentation, Explanation, Questions Answers.
6	5	Child Health - Newborn Screening	Child Health	Lecture	Presentation, Explanation, Questions Answers.
7	5	Reproductive Health Program – Family Planning Introduction.Objectives. Types Methods Administration	Reproductive Health	Lecture	Presentation, Explanation, Questions Answers.
8	5	Vaccines – Introduction Passive Vaccine Active Vaccine – Routine Vaccination Immunity – Forms	Vaccines	Lecture	Presentation, Explanation, Questions Answers.
9	5	Expanded Vaccine Program/Emergency Campaigns for Outbreaks and Why They're Being Added	Vaccine Program	Lecture	Presentation, Explanation, Questions Answers.
10	5	Childhood Diseases Included in Immunization Program	Childhood Diseases	Lecture	Presentation, Explanation, Questions Answers.
11	5	Causes – Symptoms Prevention Methods	Childhood Diseases	Lecture	Presentation, Explanation, Questions Answers.
12	5	Breastfeeding its benefits for the mother and child – problem – formula feeding its disadvantages. Weaning Types. When and how weaning begins	Breastfeeding	Lecture	Presentation, Explanation, Questions Answers.
13	5	Diarrhea in children - causes - types - how to avoid and prevent it	Diarrhea	Lecture	Presentation, Explanation, Questions Answers.

14	5	Symptoms – Prevention Treatment. Early diagnosis of breast cancer. Definition Danger Signs. Symptoms Diagnostic methods	Breast Cancer	Lecture	Presentation, Explanation, Questions Answers.
15	5	Other vaccinations are mandatory (for the elderly medical and health professionals, veterinarians, animal handlers, travelers 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					
References			"Community & Public Health Nursing"		
Electronic References, Websites			https://www.youtube.com/playlist?list=PLHHle_mH05ITlHarBz4Q30vGWQIp7EzBmA		

Course Description Template(12)

1. Course Name					
Microbiology					
2. Course Code					
CHT 112					
3. Semester/Year					
First Semester of the Academic Year 2026-2025					
4. Date of this description					
12/10/2025					
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		• 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

1	5	Definition of Microbiology Modesty Branches Microbiology Definition of Medical Biology Branches of Medical Biology	Microbiology	Lecture	Presentation ,Explanation, Questions Answers.
2	5	Cell Difference Between Animal and Plant Cells General structure of bacterial cell	Bacterial structure	Lecture	Presentation ,Explanation, Questions Answers.
3	5	General structure of bacterial cell Physical factors that affect the growth of bacteria Bacterial Growth Curve	Structure and growth of bacteria	Lecture	Presentation ,Explanation, Questions Answers.
4	5	Infection Classification of infection Source of infection Spread of infectious diseases	Infection	Lecture	Presentation, Explanation, Questions Answers.
5	5	Staphylococcus Streptococcus Pneumococcus	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
6	5	Neisseria Bacillus	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
7	5	Mycobacteria Clostridium	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
8	5	Bacillus Enterobacteriaceae	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
9	5	Escherichia coli Salmonella	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
10	5	Shigella Proteus	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.

11	5	Brucella Bordetella	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
12	5	Vibrio cholera	Medicinal Bacteria	Lecture	Presentation, Explanation, Questions Answers.
13	5	Symptoms Diagnosis	Food poisoning	Lecture	Presentation, Explanation, Questions Answers.
14	5	Mycology Diagnosis of fungus Classification of fungus	Fungus	Lecture	Presentation, Explanation, Questions Answers.
15	5	Virology Morphology of virus 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					
References			"Jawetz, Melnick, & Adelberg's Medical Microbiology"		
Electronic References, Websites			https://www.youtube.com/playlist?list=PLGvGlmRQNYHwNBw5el7otnXgc4qENbeUq		

Course Description Template(13)

1. Course Name	
Biochemistry	
2. Course Code	
CHT 113	
3. Semester/Year	
First Semester 2026/2025	
4. Date of this description	
12/10/2025	
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				
9. Course Structure					
The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	4	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 Participations
2&3	4	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 Participations
4&5	4	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 Participations

6&7	4	Carbohydrates Definition, Classification and Biological Significance Carbohydrate metabolism - Glycolysis and glucose formation - Glycogenolysis and glycogen formation • Disaccharide and polysaccharide metabolism • Metabolic Cycle Energy	Carbohydrates	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations
8&9	4	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 Participations
10&11&12	4	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 Participations
13&14&15	4	Nucleotides • Chemistry of nitrogenous bases, nucleosides, nucleotides,	Nucleotides	Educational Lectures Presentations and group discussions	Daily and Monthly Exam Daily Participations

		RNA & DNA • Degradation of purine, 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					
References			"Lippincott Illustrated Reviews: Biochemistry"		
Electronic References, Websites			https://www.youtube.com/playlist?list=PLdXL0UXYGhFFcrx0w2wyrh99jdMk2CvCq		

Course Description Template(14)

1. Course Name:	
Community Health	
2. Course Code	
CHT 114	
3. Chapter/	
First Year 2026-2025	
4. Date of this description	
12-10-2025	
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 himself 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 assistance in laboratory investigation of the tested samples and their conformity with the health conditions

9. Course Structure					
The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	5	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	5	Disease	Causes – Factors that affect the disease (Cause, Host, Environment)	Lecture	+ Exam Yumi + Citizenship Nahai
3	5	Types diseases	– The difference between infectious and chronic diseases	Lecture	+ Exam Yumi + Citizenship Nahai
4	5	Prevention and control of disease	Introduction – Principles of Prevention – Levels Types of Control	Lecture	+ Exam Yumi + Citizenship Nahai
5	5	Environment and relationship health	Environment and its relationship to health Healthy water - its qualities	Lecture	+ Exam Yumi + Citizenship Nahai
6	5	Waterborne diseases	Waterborne Disease Causes of Air Pollution and Airborne Diseases	Lecture	+ Exam Yumi + Citizenship Nahai
7	5	Waste and waste management	Waste and waste: the effects and how to dispose of them	Lecture	Exam Yumi + Citizenship Nahai+
8	5	Population	Population	Lecture	+ Exam Yumi + Citizenship Nahai
9	5	Health Promotion	The Concept of Health Promotion – Its Importance – and its Relationship to Health Awareness	Lecture	+ Exam Yumi + Citizenship Nahai
10	5	Rural Health	Introduction	Lecture	+ Exam Yumi + Citizenship Nahai
11	5	Rural Health	Its Services – Duties Its Problems	Lecture	+ Exam Yumi + Citizenship Nahai
12	5	Public Health Services	Hospital Services	Lecture	+ Exam Yumi + Citizenship Nahai
13	5	Health Services	Services managed by the Health Authority	Lecture	+ Exam Yumi + Citizenship Nahai

14	5	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 + Citizer Nahai
15	5	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 + Citizer 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					
References		"Community & Public Health Nursing"			
Electronic References, Websites		https://www.youtube.com/playlist?list=PLHHIemH05ITIHarBz4Q30vGWQlp7EzBmA			

Course Description Template(15)

1. Course Name:	
Medical Microbiology	
2. Course Code:	
CHT 115	
3. Semester/Year:	
second semester / 2026-2025	
4. Description Preparation Date:	
12/10/2025	
5. Available Attendance Forms:	
Theoretical, Practical(2 theoretical hours + 3 practical hours / 5 hours total number of units)	
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		
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			
9. Course Structure				
Week	Hours	Unit or subject name	Learning method	Evaluation method
1	5	Blood flagellates , Leishmania	PowerPoint presentation with whiteboard explanation.	Quiz &oral Discussion & Assignments
2	5	Sporozoa , Plasmodium, Toxoplasma	PowerPoint presentatin with whiteboard explanation.	Quiz &oral Discussion & Assignments
3	5	Helimenthes , Taenia	PowerPoint presentation with whiteboard explanation.	Quiz &oral Discussion & Assignments
4	5	Echinococcus granulosus	PowerPoint presentation with whiteboard explanation.	Quiz &oral Discussion & Assignments
5	5	Hymenolipes nana	PowerPoint presentation with whiteboard explanation.	Quiz &oral Discussion & Assignments
6	5	Trematoda helminths	PowerPoint presentation with whiteboard explanation.	Quiz &oral Discussion & Assignments
7	5	Trepanoma , Schistosomes	PowerPoint presentation with whiteboard explanation.	Quiz &oral Discussion & Assignments
8	5	Bacterial genetics	PowerPoint presentatin with whiteboard explanation.	Quiz &oral Discussion & Assignments

9	5	Immunity and immune system	PowerPoint presentation with whiteboard explanation.	Quiz & oral Discussion & Assignments
10	5	Antibody & antigen	PowerPoint presentation with whiteboard explanation.	Quiz & oral Discussion & Assignments
11	5	Antibody & antigen reactions	PowerPoint presentation with whiteboard explanation.	Quiz & oral Discussion & Assignments
12	5	Hypersensitivity	PowerPoint presentation with whiteboard explanation.	Quiz & oral Discussion & Assignments
13	5	Autoimmune diseases	PowerPoint presentation with whiteboard explanation.	Quiz & oral Discussion & Assignments
14	5	Discussion of course material	PowerPoint presentation with whiteboard explanation.	Quiz & oral Discussion & Assignments
15	5	Discussion of course material	PowerPoint presentation with whiteboard explanation.	Quiz & oral Discussion & Assignments

10. Course Evaluation

11. Learning and Teaching Resources

References	"Jawetz, Melnick, & Adelberg's Medical Microbiology"
Electronic References, Websites	https://www.google.com/search?q=http://www.youtube.com/watch?v=3Fliat%3DPLgvGlmRQNYHwNBw5eI7otmXgc4qENbeUg

Course Description Template(16)

1. Course Name
Physical activity
2. Course Code
NTU 104
3. Chapter/
First Year 2026-2025
4. Date of preparation of this description

5. 12-10-2025					
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					
Objectiv Material Tuition	- At the end of the academic year, the student will be able to learn about the types 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	2	Definition of Sport	Definition, Importance and Types	Lecture	+ Exam Yumi Citizen + Nahai
2	2	Mechanism of movement of the human body	muscles Muscle movement Muscle kinetic energy bones Joints	Lecture	+ Exam Yumi Citizen + Nahai
3	2	Sports Injuries	definition causes The most prominent types of injuries	Lecture	+ Exam Yumi Citizen + Nahai
4	2	basketball	Basic Skills Passing and its type Dialogue and its type Correction	Lecture	+ Exam Yumi Citizen + Nahai
5	2	Basketball Law	Basketball Law	Lecture	+ Exam Yumi Citizen + Nahai
6	2	Table Tennis	Basic Skills Racket	Lecture	+ Exam Yumi Citizen + Nahai
7	2	Volleyball Law	Basic Skills	Lecture	+ Exam Yumi Citizen + Nahai
8	2	Swimming	History Types Areas	Lecture	+ Exam Yumi Citizen + Nahai
9	2	Tennis	Stand by Racket	Lecture	+ Exam Yumi Citizen + Nahai
10	2	handball	Basic Skills Offensive Skills	Lecture	+ Exam Yumi Citizen + Nahai
11	2	Handball Law	Article (1)	Lecture	+ Exam Yumi Citizen + Nahai
12	2	Athletics	History of the Games Road Races Obstacle Races	Lecture	+ Exam Yumi Citizen + Nahai
13	2	football	Basic Skills	Lecture	+ Exam Yumi Citizen + Nahai
14	2	Sport Competitions and Competitions Management	Definition of Sports Tournaments	Lecture	+ Exam Yumi Citizen + Nahai

15	2	Sports Laws & Regulations	Legislation and its Types Law & Sports	Lecture	Exam Yumi + Citizen + 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					
References		"Therapeutic Exercise: Foundations and Techniques"			
Electronic References, Websites		https://www.google.com/search?q=https://www.youtube.com/watch%3Fv%3D0k7aH4P3dGk			

Course Description (Second stage)

Course Description Template1

1. Course Name:	
Medicine	
2. Course Code:	
CHT 211	
3. Semester/Year:	
2026-2025	
4. Description Preparation Date:	
2025/10/12	
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
1	6	Diphtheria		Facilitating Small Discussions	
2	6	Whooping cough& Mumps		Facilitating Small Discussions	
3	6	Typhoid		Facilitating Small Discussions	
4	6	Measles, German Measles& Small pox		Facilitating Small Discussions	
5	6	Infection of mouth &tongue		Facilitating Small Discussions	
6	6	Gastritis& Peptic Ulcer		Facilitating Small Discussions	
7	6	Jaundice		Facilitating Small Discussions	
8	6	Heart Failure		Facilitating Small Discussions	
9	6			Facilitating Small Discussions	

10	6	Myocardial infarction		Facilitating Small Discussions	
11	6	Angina		Facilitating Small Discussions	
12	6	Ca. stomach & Ca. intestine		Facilitating Small Discussions	
13	6	Hypertension		Facilitating Small Discussions	
14	6	Congenital heart disease		Facilitating Small Discussions	
15	6	Pneumonia		Facilitating Small Discussions	
		Asthma			
11. Course Evaluation ☐ 5 Oral Exam, 5 Daily Exam, 5 Reports, 25 Practical 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					
References			"Davidson's Principles and Practice of Medicine"		
Electronic References, Websites			https://www.google.com/search?q=http://www.youtube.com/playlist%3Flist%3DPL3hyrxC3h0DPf8mYc10E45Z4a4a-Hn80p		

Course Description Template(2)

1. Course Name
Communicable diseases
2. Course Code
CHT 212
3. Semester/Year
2026-2025
4. Date of this description
12/10/2025
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			
Learning Method	Name of Unit or Topic	Hours	The week
Facilitate small discussions	Communicable Diseases - Definitio of Diseases - Mod of Transmission Diseases	4	1
Facilitate small discussions	Sexually transmitt diseases and the transmission rout Waterborne Diseas	4	2
Facilitate small discussions Facilitate small discussions	Airborne Diseases	4	3&4
Facilitate small discussions	Food contamination Diseases transmitted by	4	5&6

	food contamination		
Facilitate small discussions	Dermatology	4	7
Facilitate small discussions	Respiratory diseases	4	8
Facilitate small discussions	Viral Hepatitis - Types	4	9&10
Facilitate small discussions	Malaria	4	11
Facilitate small discussions	cholera	4	12
Facilitate small discussions	Typhoid	4	13
Facilitate small discussions	Scabies	4	14
Facilitate small discussions	Pandemic influenza	4	15
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			
References	"Control of Communicable Diseases Manual"		
Electronic References, Websites	https://www.youtube.com/playlist?list=PLHHIemH05lTIHarBz4Q30vGWQIp7EzBmA		

Course Description Template(3)

1. Course Name:	
Public Health	
2. :Course Code	
CHT 220	
3. Semester / Year : 2025	
Quarterly	
4. :Date of preparation of this description	
12/10/2025	
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 Objectives	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 quality Learn about the importance of enrollmentAnalyze health data to identify public health needs Develop communication, negotiation and leadership skills to influence health improvement				
9. Course Structure					
The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	4	1. Introduction to Public Health 2- A brief history of health General 3- Visit to the Health Division General 1. Health Promotion 2- Components of health promotion 3- Modern methods used in Health Promotion	Public Health Health Promotion	Lecture Lecture	Presentation Explanation Questions Answers, Discussion Wide Introduction , Explanation Questions Answers, Discussion
2&3	4	1. Health Education 2. Health Education Team 3. Duties of health team 4. Health Education Methods 5. How to develop an education plan Health	Health Education	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion

4	4	1. Environmental Health 2. Environmental Health Goals 3. Types environment	Environmental Health	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion
5	4	1. Water pollution 2. Air pollution 3. Waste disposal	Water Health	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion
6&7	4	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
8	4	Lifestyle	Physical and mental health	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion
9	4	1-Tuberculosis 2. Measles Solita 3-Meninges	Infectious diseases	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion
10	4	Epidemiology of Chronic Diseases	Chronic diseases	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion
11	4	1. Epidemiology Diseases Transitional a 2. A visit to the u Communicable diseases and endemic	Communicable and endemic diseases	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion

12	4	1-Polio 2. Polio Epidemi 3. AFP check	Viral Diseases	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion
13	4	Stress	Mental Health	Lecture	Wide Introduction , Explanation, Questions Answers, Discussion
14&15	4	1. Definition Statistics Al , Hayati 2. A visit to division Births and death	Life Statistics	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					
References			"Public Health: What It Is and How It Works"		
Electronic References, Websites			https://www.youtube.com/watch?v=17X21gl80r4		

Course Description Template (4)

1. Course Name:	
Pharmacology	
2. Course Code:	
CHT 219	
3. Semester/Year:	
First semester/ 2025-2026	
4. Description Preparation Date:	
2025/10/12	
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 the 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	4	Introduction, General Aspects Of Pharmacology, Principle Of Drug Administration Pharmacokinetic, Principles In The Use Of Drugs, Drug Metabolism And Excretion .	Understand The Basic Concepts Related To Drugs And Their Mechanism Action Understand Pharmacodynamics Understand Pharmacokinetics Understand Drug Metabolism	Educational Lectures Educational Videos Simulations A Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exar Weekly Report
2	4	Drugs That Affect T Autonomic Nervous System: Sympatheti 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 C Drugs On The Nervous System.	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exar Weekly Report
3	4	Sympathetic Nervou System, Adrenergic Stimulants, Adrenal Gland, Anti-Adrenergic Drugs.	Understand The Mechanism Of Action The Sympathetic Nervous System And T 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 Exar Weekly Report
4	4	Gastrointestinal Tra Drugs, Antacid, Antiulcer, Antispasmodics, Antiemetic, Antidiarrheal, Laxat	Identifying Digestive System Drugs Identify Antacids, Antiulcers, Antispasmodics, Antiemetics, Antidiarrheals, Laxativ And How They	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exar Weekly Report

			Work		
5	4	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 Exam Weekly Report
6	4	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 Exam Weekly Report
7	4	Antiviral, Amebicidal Trichomonocides	To Learn About Antivirals, Amebicidal Trichomoniasis And Understand Their Mechanism Of Action.	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exam Weekly Report
8	4	Corticosteroids Drugs	Understand The Mechanism Of Action Of 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 Exam Weekly Report
9	4	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 Exam Weekly Report
10	4	Cardiovascular System Drugs Digitalis And Cardiac Glycosides, Diuretics	Understanding The Mechanism Of Action Of Digitalis And Cardiac Glycosides Identifying The Types Of 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 Exam Weekly Report
11	4	Adrenoreceptor Blockers, Antiarrhythmic Drugs Vasodilators, Antihypertensives, Sympathomimetic, Sclerosing Agents	Understand The Mechanism Of Action Of Adrenergic Receptor Blockers And Sympathomimetics Analysis Of The Role Of Antiarrhythmic Drugs Identify Vasodilators And Antihypertensives	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exam Weekly Report

			Understand The Mechanism Of Action Of Atherogenic Agents		
12	4	Respiratory System Bronchodilators , Corticosteroids , Allergic Disorders, Respiratory Stimulants, Mucolytic	Identify Respiratory Medications: Bronchodilators, Corticosteroids, Allergic Disorders, Respiratory Stimulants, Mucolytic 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 Exam Weekly Report
13	4	Antitussives And Expectorant, Nasal Decongestants	Understanding The Mechanism Of Action Of Antitussives Understanding The Role Of Expectorants Understanding The Mechanism Of Action Of Nasal Decongestants Analyzing The Uses, Benefits, And Side Effects	Educational Lectures Educational Videos Simulations And Group Discussions	Daily Written Tests, Daily Posts, Final Semester Exam Weekly Report
14	4	Drugs Acting On The Central Nervous System, Analgesic, Opioid Analgesic, Sedative And Hypnotic, Narcotics	Understand The Mechanism Of Action Of 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 Exam Weekly Report
15	4	Endocrine:- Drug Used In Diabetes , Hypoglycemia , Pituitary Hormones Thyroid And Anti Thyroid Drugs	Understanding The Mechanism Of Action Of 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 Exam Weekly Report

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

References	"Lippincott Illustrated Reviews: Pharmacology"
Electronic References, Websites	https://pmc.ncbi.nlm.nih.gov/

Course Description Template(5)

1. Course Name	
Ethics	
Course Code .2	
NTU 204	
Semester/Year .3	
2026-2025	
Date of preparation of this description .4	
2025/10/12	
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)	
yaraonner@ntu.edu.iq	Name: Dr. Sura Hashem Mohamed Email :
8. Course Objectives	
Course Objectives	• <u>General Objectives</u> Identify basic ethics and professional ethics for workers in professional disciplines • <u>Special Objectives</u> 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	
	<u>The Professional Ethics course includes:</u> 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 diagnosis 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
1	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					
References		"Medical Ethics Manual"			
Electronic References, Websites		https://www.wma.net/wp-content/uploads/2016/11/Ethics_manual_3rd_Nov2015_e.pdf			

Course Description Template (6)

1. Course Name					
Computer					
2. Course Code					
CHT 201					
3. Semester/Year					
Quarterly. 2025-2026					
4. Date of this description					
12/10/2025					
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
1	2	Learn about .network security	Security and Networking.	Came	Daily exam and final exam

2&3	2	Learn about e-shopping	E – Commerce.	Came	Daily exam and final exam
4&5	2	Knowing computer problems	Computer Troubleshooting.	Came	Daily exam and final exam
6	2	The Introduction of Artificial Intelligence	Introduction to AI.	Came	Daily exam and final exam
7	2	The importance of artificial intelligence	AI in Our Daily Lives.	Came	Daily exam and final exam
8&9	2	Applications of artificial intelligence	Application of AI.	Came	Daily exam and final exam
10&11	2	Artificial Intelligence and Society	AI and Society.	Came	Daily exam and final exam
12&13	2	Challenges of artificial intelligence	Ethical challenges in AI.	Came	Daily exam and final exam
14&15	2	The future of artificial intelligence	The Future of AI.	Came	Daily exam and final exam
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					
References			"Introduction to Computers for Healthcare Professionals"		
Electronic References, Websites			https://openstax.org/details/books/introduction-computer-science		

Course Description Template(7)

1. Course Title: Health Inspection and Control
2. Course Code: CHT 214
3. Semester / First Year 2026-2025
4. Date of preparation of this description 12-10-2025
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	4	The Concept of Health Control	Health Inspection Objectives Health Inspection Missions Foundations and Rules of Health Inspection	Lecture	Daily exam and final exam
2	4	Food Safety	Food Safety Environmental Safety	Lecture	Daily exam and final exam
3	4	Conditions granting leave	Conditions to be met by the employer and the employee	Lecture	Daily exam and final exam
4	4	Special Conditions	Includes hotels and lounges Public cafes	Lecture	Daily exam and final exam
5	4	General Conditions	Bakeries, bakeries and pastries	Lecture	Daily exam and final exam
6	4	Shops	Preparing and selling ice cream	Lecture	Daily exam and final exam
7	4	Food Shops	Sale of Ready-to-Eat Food & Beverages	Lecture	Daily exam and final exam
8	4	Animal Products Stores	Meat and dairy shops	Lecture	Daily exam and final exam
9	4	Salons	Barbershops & Beauty Salons	Lecture	Daily exam and final exam
10	4	Food Laboratories	Food Industries Laboratory	Lecture	Daily exam and final exam

			Food Processing		
11	4	Ready Meals	Ready Meals	Lecture	Daily exam and final exam
12	4	The role of agility	The role of agility	Lecture	Daily exam and final exam
13	4	Confectionery Laboratories	Sweets	Lecture	Daily exam and final exam
14	4	Rashi shops	AI , Rashi	Lecture	Daily exam and final exam
15	4	Ice Shops	Snow and gypsum	Lecture	Daily exam and final exam
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					
References			"Risk-based Food and Health Inspection Manual"		
Electronic References, Websites			https://iris.who.int/server/api/core/bitstreams/4539e3dd-850c-4b9a-b40c-ef52c94aed58/content		

Course Description Template(8)

1. Course Name:	
a. Occupational Health and Safety	
2. :Course Code	
a. CHT 217	
3. Semester/Year:	
a. Quarterly 2025	
4. :Date of preparation of this description	
a. 12 -10- 2025	
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 condition 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
1	4	General definitions of occupational health and safety -Health and Safety Concepts Professionalism -Principles of occupational safety -Health and safety goals Professionalism	Course Introduction, Learning Objectives, Course Contents of Occupational Health and Safety	Lecture	Presentation Explanation Questions Answers, Discussion
2	4	-Health and Safety History Professionalism and safety in the world - History of Occupational Health, Safety and Safety in Iraq - The Role of Scientists in Health and occupational safety	History of Occupational Health, Safety and Safety	Lecture	Presentation Explanation Questions Answers, Discussion

3	4	Occupational Health and Safety Impact On productivity Productive Efficiency in Industrial Enterprise The role of business owner is the role of Workers and Government Agencies Duties of the Directorate of Health Professionalism	Occupational Health and Safety and its Relationship to Production	Lecture	Presentation Explanation Questions Answers, Discussion
4	4	Difference Between Occupational Illness and occupational injury Methods of Disease Prevention Professionalism Classification accidents and injuries Occupational Work and its Causes Safe Concentration Score	Occupational hazards and diseases	Lecture	Presentation Explanation Questions Answers, Discussion
5	4	Noise Concept and Measurement Impact of noise on workers Noise Prevention Types of Vibration	Noise and vibrations	Lecture	Presentation Explanation Questions Answers, Discussion

		Vibration Hazards Vibration Hazard Prevention Effect of Temperature and Humidity Differences			
6	4	Heat Sources in the Workplace Effects of heat on the human body Methods of Heat Protection	Heat, humidity and air speed	Lecture	Presentation Explanation Questions Answers, Discussion
7	4	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	Presentation Explanation Questions Answers, Discussion
8	4	-Effect of a decrease in atmospheric pressure -The effect of high atmospheric pressure - Prevention of the risk of exposure to kesson disease -The most important	Atmospheric Pressure and Electricity	Lecture	Presentation Explanation Questions Answers, Discussion

		causes that lead to electric shock -Factors that reduce the risk of electric shock - General rules in the prevention of electricity hazards			
9	4	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)	Lecture	Presentation Explanation Questions Answers, Discussion
10	4	- Biological hazards - The most important occupational diseases Infectious diseases and how to prevent them Psychological factors Symptoms of mental illness at work - Diagnosis of mental illnesses in the factory - Prevention to prevent the occurrence of mental illnesses	Biological Hazards and infectious diseases	Lecture	Presentation Explanation Questions Answers, Discussion
11	4	Types of machines used on sites -Main reasons	Mechanical hazards	Lecture	Presentation Explanation Questions

		For mechanical accidents -Risk prevention Mechanical	and engineering prevention methods		Answers, Discussion
12	4	- Aaa -Symptoms of poisoning - Methods of lead poisoning, Mercury and chromium -Poisoning prevention	Industrial toxins and heavy metal poisoning (lead, mercury, chromium)	Lecture	Presentation Explanation Questions Answers, Discussion
13	4	-Use of all-use -Pesticide Hazard -Natural properties Organic compounds The effect of organic solvents on the human body: -Risk prevention Organic Compounds	Poisoning of pesticides and organic compounds	Lecture	Presentation Explanation Questions Answers, Discussion
14	4	- Work accidents Types of work accidents -Causes of a work accident - The Seven Foundations for the Prevention of Work Accidents and Injuries -On-site first aid services - Characteristics of an industrial paramedic Duties of the Industrial Paramedic - First aid record at the factory	(Accidents and Injuries at Work) and First Aid Services at Workplaces	Lecture	Presentation Explanation Questions Answers, Discussion
15	4	-Define the trading process Storage of materials - Causes of accidents resulting from the transportation and	Deliberation and storage of materials, legislation and decisions	Lecture	Presentation Explanation Questions Answers, Discussion

		handling of materials -Basic rules when lifting loads manually - Special Resolutions With health and safety Professionalism and Age Legislation	related to occupational health and safety		
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					
References			"Occupational Health and Safety in the Care and Use of Research and Health Facilities"		
Electronic References, Websites			https://cdn.who.int/media/docs/default-source/occupational-health/occupational-hazards-in-the-health-sector.pdf		

Course Description Form (9)

1. Course Name:	
Surgery	
2. Course Code:	
CHT 216	
3. Semester/Year:	
2026-2025	
4. Description Preparation Date:2025	
12/10/2025	
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 Wound
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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1	6	Head injury		Facilitating Small Discussions	
2	6	Meningeal injury		Facilitating Small Discussions	
3	6	Face injury		Facilitating Small Discussions	
4	6	Surgical mouth		Facilitating Small Discussions	
5	6	Surgical tongue		Facilitating Small Discussions	
6	6	Gastritis & peptic ulcer		Facilitating Small Discussions	
7	6	Gum ulcer		Facilitating Small Discussions	
8&9	6	Tonsillitis		Facilitating Small Discussions	
10	6	Esophagus ca.		Facilitating Small Discussions	
11	6	Ca. stomach,ca. intestine		Facilitating Small Discussions	
12	6	Appendicitis		Facilitating Small Discussions	
13	6	Intestinal obstruction		Facilitating Small Discussions	
14	6	liver abscess		Facilitating Small Discussions	
15	6	Liver injury		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					
References			"Surgical Practice"	Technology: Principles	a

Course Description Template(10)

1. Course Name					
Arabic Language					
2. :Course Code					
NTU 202					
3. Semester/Year					
Second Level/ First Semester 2026/2025					
4. Date of this description					
12/10/2025					
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 And the news.	the beginner and the news	Discussion method, And the method of the lecture	test oral

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 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 names and its signs. Identify the verbs and its signs. Recognize the letters	Speech Sections	Discussion method, And the method of the lecture	test oral
11	2	1. Identifying punctuation. 2. Familiarity with the rules Use punctuation.	Punctuation	Discussion method, And the method of the lecture	test oral
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
14		Identify common mistakes while stating right.	and don't say	Discussion method, And the method of the lecture	test oral
15		Familiarize yourself with the rules of writing thousand compartments. Familiarity with writing es ingated Thousand	Compartment ingated	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					
References		كتاب "النحو الوافي" للمؤلف عباس حسن			
Electronic References, Websites		https://archive.org/details/An-Naho-Al-Wafi			

Course Description Sample (11)

1. Course Name	
Epidemiology	
2. Course Code	
CHT 218	
3. Chapter/	
Year 2026-2025	
4. Date of this description	
12/10/2025	
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
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
1	2	Introduction to Epidemiology	Introduction to Epidemiology	Facilitate small discussions	
2	2	General Definitions of Epidemiology	General Definitions of Epidemiology	Facilitate small discussions	
3	2	Epidemic Triad	Epidemic Triad	Facilitate small discussions	
4	2	Communicable and non-communicable diseases	Communicable and non-communicable diseases	Facilitate small discussions	
5	2	Methods of Prevention and Control of Communicable Diseases	Methods of Prevention and Control of Communicable Diseases	Facilitate small discussions	
6&7	2	General immunity	General immunity	Facilitate small discussions	
8&9	2	Epidemiological Investigation, Monitoring and Methods of Investigating Epidemic Diseases	Epidemiological Investigation, Monitoring and Methods of Investigating Epidemic Diseases	Facilitate small discussions	
		Administrative division of health control departments and instant news form on epidemic diseases			
		Measles, rubella and mumps			

10	2	Tuberculosis and polio	Administrative division of health control departments and instant news form on epidemic diseases		
11	2	Diphtheria, whooping cough and tetanus	Measles, rubella and mumps		
12	2	Viral hepatitis			
13	2	Typhoid and Malta fever	Tuberculosis and polio		
14&15	2		Diphtheria, whooping cough and tetanus		
			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					
References		"Gordis Epidemiology"			
Electronic References, Websites		https://archive.org/details/gordis-epidemiology-6 edition			

Course Description Template(12)

1. Course Name
Crimes of the Baath regime in Iraq
2. Course Code
NTU 203
3. Semester/Year
First/Second Level/2025
4. Date of this description
12/10 /2025
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.
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8. Teaching and Learning Strategies

Strategy	1- Theoretical lectures 2- Interactive Lectures 3- Review of documentary films
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9. Course Structure

The week	Hours	Required Learning Outcomes	Name of Unit or Topic	Learning Method	Evaluation Method
1	2	Gain knowledge	The concept of crimes and the division	Explanation and Discussion	Grading participants with a daily exam
2	2	Gain knowledge	Types of International Crimes	Explanation and Discussion	Grading participants with a daily exam
3	2	Gain knowledge	Psychosocial Crimes	Explanation and Discussion	Grading participants with a daily exam
4	2	Gain knowledge	Mechanisms of Psychological Crimes	Explanation and Discussion	Grading participants with a daily exam
5	2	Gain knowledge	Social Crimes and the Militarization of Society	Explanation and Discussion	Grading participants with a daily exam
6	2	Gain knowledge	The Baathist regime's position on religion	Explanation and Discussion	Grading participants with a daily exam
7	2	Gain knowledge	The Baathist regime's violation of religion	Explanation and Discussion	Grading participants with a daily exam
8	2	Gain knowledge	Some decisions of Baathist violations	Explanation and Discussion	Grading participants with a daily exam
9	2	Gain knowledge	Prison location for the Baathist regime	Explanation and Discussion	Grading participants with a daily exam
10	2	Gain knowledge	Environmental Crimes	Explanation and Discussion	
11	2	Gain knowledge	War and Radioactive Pollution	Explanation and Discussion	=====
12	2	Gain knowledge	Destruction of Cities and Villages	Explanation and Discussion	=====
13	2	Gain knowledge	Mass grave crimes	Explanation and Discussion	=====

14	2	Gain knowledge	Chronological Classification of Tombs	Explanation and Discussion	=====
15	2	Gain knowledge	Final exam for students	Explanation and 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					
References			"جرائم نظام البعث في العراق: التوثيق والأبعاد القانونية والإنسانية" كتاب		
Electronic References, Websites			https://www.iraqicivilrights.org/documents/baath_crimes_doc.pdf		

Course Description Form (13)

1. Course Name	
BioStatistics	
Course Code .2	
MTIK 202	
Semester/Year .3	
2026-2025	
Date of preparation of this description .4	
2025/10/12	
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					
References		"Biostatistics: A Foundation for Analysis in the Health Sciences"			
Electronic References, Websites		https://archive.org/details/biostatisticsbas0000dani •			

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/ 2026-2025
6. Number of Credit Hours (Total)
2 hours theory, 2 hours practical. Number of units: 4
7. Date this description was prepared
12/10/2025
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. A4 - Understand the structure and function of primary health care center	Readings, textbook reading Charts, group discussions Field visits, case analysis	Written exams, Quizzes Assignments Short-answer exams
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	4	- Define PHC - Outline its history	Introduction to Primary Health Care Definition – Historical	Educational lectures Educational vid	Daily written tests, daily post final semester

		- State its importance - List key strategies - Reflect on health center visit	Overview – Importance Strategies and Specifications Visit to a Health Center	Simulations and group discussions	exams, weekly reports
2	4	- Explain mother & child care basics - Identify uses of mother/child cards - Record health data accurately	Maternity and Child Care (Mother Care Card and Child Card)	Educational lectures Educational video Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
3	4	- 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 video Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
4	4	- 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 video Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
5	4	- 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 video Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
6	4	- List vaccine types - Explain EPI basics - Demonstrate safe injection methods	Vaccines - Types - Expanded Program on Immunization. Methods of administering injections, vaccines, and vaccine doses.	Educational lectures Educational video Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
7	4	Identify reasons for missed vaccines	Examples from the field of children	Educational lectures Educational video	Daily written tests, daily post final semester

		- Recognize risks of incomplete immunization - Suggest follow-up actions for unvaccinated children	who have missed vaccinations.	Simulations and group discussions	exams, weekly reports
8	4	- Define cold chain - Identify storage requirements - Maintain vaccine temperature	Cold chain for vaccines.	Educational lectures Educational video Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
9	4	- Define family planning - List contraceptive methods - Explain usage and benefits	Family planning – contraceptive methods	Educational lectures Educational video Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
10	4	- 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 video Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
11	4	- Understand importance of early breast cancer detection - Learn breast self-exam steps - Identify when and how to perform self-exam	Early detection of breast cancer. Perform self-examinations for early detection of breast cancer.	Educational lectures Educational video Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports
12	4	- Understand needs of disabled individuals - Recognize types of physical & mental disabilities	Care for the Disabled (Physically and Mentally Disabled) Visit to the Institute for the Physically and Mentally Disabled	Educational lectures Educational video Simulations and group discussions	Daily written tests, daily post final semester exams, weekly reports

		Observe care methods during institute visit			
13	4	- Define health rehabilitation - Identify types (physical, mental, social) - Observe rehab services in nursing home visit	Health Rehabilitation Definition and Type of Rehabilitation Visit to a Nursing Home	Educational lectures Educational video Simulations and group discussion	Daily written tests, daily post final semester exams, weekly reports
14	4	- 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 video Simulations and group discussion	Daily written tests, daily post final semester exams, weekly reports
15	4	- 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 video 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
References	"Primary Health Care: Concepts and Challenges in a Changing World"
Electronic References, Websites	https://www.ncbi.nlm.nih.gov/books/NBK53533

Course Description Form (15)

1. Course Name					
Health Education and Health Management					
2. Course Code					
CHT 215					
3. Semester/Year					
2025-2025					
4. Date of this description					
2025/10/12					
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					
<u>General Objectives</u> Education and Training of the Health Workforce <u>Special Objectives</u> 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	1
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					
References		«مبادئ التثقيف الصحي والإدارة الصحية»			
Electronic References, Websites		https://www.emro.who.int/			

Course Description Form (16)

Graduation Project

Graduation Projects for Second Level Students / Morning Study / for the
Academic Year 2025-2026

t	Student Names	Name of Supervisor	Project Title
1	1. Ahmed Khalaf 2. Mohammed Ahmed 3. Mohammed Abdulaziz 4. Asmaa Talal 5. Jana Adnan	Assist. Prof. Dr. Suzan Adel Rashid	Consumption of soft drinks and energy drinks and their impact on the health of adolescents in Kirkuk city
2	1. Hardy Heyman 2. Muhammad Luqman 3. Youssef Hazgar 4. Bishru Bilal 5. Hussein Abdul Karim	Assoc. Prof. Dr. Laila Abdel Sattar Sadiq	A study of the phenomenon of smoking among university students in the city of Kirkuk
3	1. Abdulrahman Idris Osman 2. Ali Hussein Assi 3. Yaqeen Ahmed 4. Iqbal Amer Suleiman	Assist. Prof. Dr. Laila Abdel Sattar Sadiq	A study of self-treatment among a sample of students at the Kirkuk Medical Technical Institute
4	1. Mustafa Abdulkhaliq 2. Musab Ahmed	Assist. Lect.	The relationship between vitamin D levels and psoriasis severity

	3. Abdullah Ashiq 4. Jassim Hamad	Hawar Sabah Abdullah	
5	1. Adhraa Nidal 2. Yaqeen Hussein 3. Zainab Abbas 4. Sumaya Ammar 5. Narmin Maarouf	Lect. Fatima Fadel Saleh	Evaluating home health practices for the prevention of communicable diseases among Iraqi families
6	1. Mustafa Sardar 2. Zakaria Abdullah 3. Hanar Yousef 4. Iman Yassin 5. Shadi Kamal	Lect. Jalank Hamid Mahmoud	A study of the causes of diabetes in pregnant women
7	1. Hawjin Sherzad Shakur 2. Helen Yousef 3. Tara Hassan Ali 4. Sumaya Dawood Amin	Assist. Lect. Mahdi Fadel Khalil Assist. Prof. Dr. Ali Najdat Nusrat	Key Findings and Recommendations for Integrating Mental Health Services into Primary Healthcare in Kirkuk
8	1. Dalia Omar Sayeda 2. Hanan Jaafar Askar 3. Didar Yousef 4. Mohamed Ezzeldin	Assist. Lect. Hawar Sabah Abdullah	The relationship between smoking and the severity of lung cancer
9	1. Yasser Amer 2. Ali Salah 3. Ahmed Mahmoud Ahmed Osama	Lect. Jalank Hamid Mahmoud	Smoking and its effect on male infertility
10	1. Mustafa Hussein 2. Ahbab Salah 3. Joan Kamal 4. Zainab Qasim 5. Heba Abdel-Muttalib 6. Sadaf Wissam	Assist. Lect. Russel Nabil Abdullah	Level of awareness about the importance of folic acid and nutritional supplements for pregnant women
11	1. Asia Tariq Ahmed 2. Hanan Nawaf 3. Shaima Hashim 4. Aya Mukhlif	Assist. Prof. Dr. Suzan Adel Rashid	The extent of parental awareness of signs of early puberty in girls in Kirkuk Governorate

	5. Hanan Mahboob Jumaa		
12	1. Abdullah Najm Abdulmajid 2. Abdulrahman Ahmed Jassam 3. Abdulrahman Mazhar 4. Ali Ahmed Younis 5. Ibrahim Adnan	Lect. Fatima Fadel Saleh	Knowledge and attitudes of medical institute students towards blood donation in the local community
13	1. Ahmed Saddam Hamad 2. Bahaa Khamis Ibrahim 3. Ali Mustafa 4. Abdullah Ali	Assist. Prof. Dr. Lizan Medhat Mohamed Assist. Lect. Chia Majid Wahab	Evaluating the level of knowledge of university and institute students about first aid.
14	1. Muhammad Mahmoud 2. Muhammad Bastoun 3. Diyar Jawad 4. Abdul Rahman Shawan	Lect. Fatima Fadel Saleh	The role of health education in reducing smoking among young people

Graduation Projects for Second Level Students /Evening Study / Academic Year 2025-2026

Project Title	Name of Supervisor	Student Names	T
Medical students' knowledge of infection prevention principles in medical institutions	Assist. Prof. Dr. Suzan Adel Rashid Lect. Ibrahim Mohammed Saeed	1. Ibrahim Shawkat 2. Muhammad Talib 3. Muhammad Jawamir 4. Fink Ahmad 5. Suhaila Yusuf	1
A study of the causes of miscarriage among women in Kirkuk Governorate	Assist. Prof. Dr. Laila Abdel Sattar Sadiq Lect. Jalank Hamid Mahmoud	1. Zanst Abdulkarim 2. Shahin Talib 3. Shneir Nour El-Din 4. Nour Sherko	2

		5. Soumia Omar	
Community health knowledge health care for hemiplegic patients in hospitals	Assist. Prof. Dr. Lizan Medhat Mohamed Assist. Lect. Chia Majid Wahab	1. Mahmoud Mohammed 2. Muhannad Abdulrahman 3. Mushtaq Faisal 4. Lana Ibrahim 5. Hana Ibrahim 6. Ali Mazen	3
The prevalence of gum and dental diseases and associated risk factors	Assist. Lect. Russel Nabil Abdullah Lect. Ibrahim Mohammed Saeed	1. Fatima Burhan 2. Mayada Mahmoud 3. Fatima Abdul-Amir 4. Asia Adnan	4
Statistical study of the distribution of thyroid cancer cases by age, gender, and tumor type in Kirkuk	Assist. Lect. Hawar Sabah Abdullah Lect. Ibrahim Mohammed Saeed	1. Ruwaida Najat Omar 2. Sunbul Sadr Al-Din Muhi Al-Din 3. Sima Jamal Hassan 4. Aya Ahmed Hassan 5. Manar Raad Khurshid	5
Assessing community awareness about the importance of routine childhood vaccinations in Kirkuk	Assist. Lect. Maad Abdullah Mansour	1. Shaimaa Shams El-Din 2. Nour Ahmed 3. Zeina Abdel Moneim 4. Wajdan Ehsan 5. Heba Hashem	6
A study of blood pressure levels among women visiting Al Salam Health Center	Assist. Prof. Dr. Laila Abdel Sattar Sadiq	1. Muhammad Nawzad Asaad 2. Ahmed Farman 3. Ari Johar 4. Rawiz Iskandar 5. Blind Falah	7
A Scoping Review Protocol on Patient Satisfaction and Digital Health in Primary Healthcare	Assist. Lect. Mahdi Fadel Khalil Assist. Prof. Dr. Ali Najdat Nusrat	1. Henar Ibrahim Jabbar 2. Jaro Ibrahim Abdullah 3. Hajra Ibrahim Mohammed 4. Fatima Hiwa Marouf	8
Assessment of some physiological and immunological indicators after seasonal vaccinations in Kirkuk Governorate	Assist. Lect. Maad Abdullah Mansour	1. Mohammed Allan 2. Waad Hamid 3. Muhannad Abdullah 4. Abdullah Jabbar 5. Younis Ihsan 6. Abdulkarim Qasim	9