

Ministry of Higher Education and Scientific Research ,
Scientific Supervision and Evaluation Service, Quality Assurance
and Academic Accreditation Department , Accreditation Department.



Academic Program and Course

2024

Introduction:

The educational program is a coordinated and organized package of courses that include procedures and experiences organized in the form of academic vocabulary whose main purpose is to build and refine the skills of graduates, making them qualified to meet the requirements of the labor market, which is reviewed and evaluated annually through internal or external audit procedures and programs such as the external examiner program.

The description of the academic program provides a brief summary of the main features of the program and its courses, indicating the skills that are being worked on to acquire for students based on the objectives of the academic program, and the importance of this description is evident because it represents the cornerstone in obtaining program accreditation and is written jointly by the teaching staff under the supervision of the scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the vocabulary and paragraphs of the previous guide in light of the developments and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the description of the academic program circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna track as the basis for their work.

In this regard, we can only emphasize the importance of writing a description of academic programs and courses to ensure the proper functioning of the educational process.

Concepts and terminology:

Academic Program Description: The description of the academic program provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, proving whether he has made the most of the available learning opportunities. It is derived from the description of the program.

Program Vision: An ambitious picture for the future of the academic program to be a sophisticated, inspiring, stimulating, realistic and applicable program.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (semester, yearly, Bologna track) whether it is a requirement (ministry, university, college and scientific department) with the number of study units.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by the student after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty member to develop the student's teaching and learning, and they are plans that are followed to reach the learning goals. That is, describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

University Name: Northern Technical University

College/Institute: Kirkuk Technical Institute

Scientific Department: Nursing Techniques.

Academic or Professional Program Name: Nursing Techniques

Final Certificate Name: Nursing Techniques

Academic System: Courses

Description Preparation Date: 5\4\2024

File filling date: 5\4\2024

Assit.Prof. Dr. :

Dean`s Name

**Dean`s Assistant for
Scientific Affairs**

Head of Department

**Date: / /2024
/2024**

Date: / /2024

Date: /

Signature

Signature

Signature

Quality Assurance and University performance manager

Date:- / / Signature

Academic Program Description

Academic Program Description

This academic program description provides a brief summary of the most important characteristics of the program and the learning outcomes expected of the student to achieve, proving whether he has made the most of the available opportunities. It is accompanied by a description of each course within the program.

Name of university	Northern Technical university
Name of Department	Nursing techniques
Name of academic program	Technical Diploma / Nursing
Name of Final certificate	Technical Diploma / Study period is two calendar years equivalent to three academic years of study
Study system	Yearly
Accredited Academic Program	NLNAC
Other external influences	There is a close relationship between the department's outputs and the labor market, and the labor market's opinion is taken of the curricula, depending on the graduates' follow-up form.
Description creation date	9/1/2024
9-Aimsof the Program	

1-Develop students' abilities to acquire nursing skills for various basic nursing specialties

.2- Linking the scientific theoretical material with practical skills

3- Develop students' understanding of the principles and rules of professional .conduct for the nursing profession.

4- Preparing highly qualified technical nurses to fill the shortage in the number of university nurses.

5- Developing the graduate's leadership personality to serve in decision-making .and teamwork

10-Learning Outcomes Teaching, Learning and Assessment Method

A- Knowledge and understanding

A1- Cognitive goals

A2- Identifying students to textbooks.

A3- Identifying the principles and of nursing for various specialties of nursing.

A4- Identifying nursing theories and linking them to the practical aspect.

A5-Acquiring knowledge of nursing care for a patient in various nursing .specialties

B- The skill objectives of the program

B1- Acquisition of nursing skills for various nursing specialties.

B2- Adopting self-education and problem-solving methods.

B3- Understand the principles of professional behavior for the nursing profession.

11-Teaching and learning methods

- 1) Use electronic learning in the theoretical lectures by Google Classroom, Google Meet, and YouTube.
- 2) Adopting self-education and problem-solving methods.
- 3) Practical training in laboratories.
- 4) Summer training and practical practice on equipment in educational hospitals.
- 5) Giving seminars, writing nursing reports, and adopting health education to increase health promotion.

Assessment Methods

- 1) Orally exams.
- 2) Written exams
- 3) Daily evaluation.
- 4) Electronic tests using Google Form.
- 5) Laboratory reports.
- 6) The practical exam.
- 7) Discuss student research
- 8) The first-semester electronically exam.
- 9) The second-semester electronically exam.
- 10) Final electronically exams

C. Thinking Skills

C 1 - love science and knowledge and the benefit of it.

C 2- Increasing love and respect for the nursing profession and nursing care.

C 3- Work to provide the requirements of the labor market and raise economic capacity

Teaching and Learning Methods

Lecture method(electronically), summer training, seminar, reports

Assessment Methods

daily assessment, periodic tests, feedback

D- General and Transferred Skills (other skills related to employability and personal development)

D 1 - Teaching students the method of self-learning.

D 2 - personal development and decision-making.

D 3 - developing teamwork skills

D 4 - developing leadership skills and endure responsibility

Teaching and learning methods

Lecture style(electronically), summer training, practical training, seminars

Assessment method

1) Orally exams.

2) Written exams.

3)Continuous evaluation

4)The first-semester electronically exam.

5) The second-semester electronically exam.

6)Final electronically exams

11-program structure

Type of requirement	Number of units	Number of hours			Course Name in English	Course Name in Arabic	No .
		T	P	T			
Department- compulsory	7	7	4	3	Fundamentals of Nursing	أساسيات التمريض	-1
Department- compulsory	4	4	2	2	Microbiology	الأحياء المجهرية	-2
Department- compulsory	4	4	2	2	Clinical Biochemistry	الكيمياء الحياتية السريرية	-3
University- compulsory	3	3	2	1	Computer Applications	تطبيقات الحاسوب (1)	-4
University- compulsory	1	1	-	1	Human Rights	حقوق الإنسان	-5
University- compulsory	1	1	-	1	Democracy	الديمقراطية	-6
University- compulsory	2	2	-	2	English Language	اللغة الإنكليزية	-7
University- compulsory	2	2	1	1	Physical Education	التربية البدنية	-8
							-9
	25	25	10	15	Total		
	26	26	11	15			

First Level / Second Program:

Type of requirement	Number of units	Number of hours			Course Name in English	Course Name in Arabic	No.
		T	P	T			
Department - compulsory	7	7	4	3	Medical Surgical Nursing	تمرير الباطني الجراحي	-1
Institute-compulsory	4	4	2	2	Anatomy	التشريح	-2
Institute-compulsory	4	4	2	2	Physiology	وظائف الاعضاء	-3
Institute-compulsory	2	2	-	2	Safety in Labs. & Workshops	سلامة الورش والمختبرات	-4
University-compulsory	3	3	2	1	Computer Applications	تطبيقات الحاسوب (2)	-5
University-compulsory	2	2	-	2	Arabic Language	اللغة العربية	-6
Institute-compulsory	2	2	-	2	Medical Terminology	المصطلحات الطبية	-7
Department Optional	2	2	-	2	Communication Skills	مهارات التواصل	-8
Department Optional	2	2	-	2	Psychology	علم النفس	-9
	26	26	10	16	Total		

Total theoretical hours for the two programs: 31

Total practical hours for the two programs: 21

Total Hours for the two programs: 52

Total Units for the two programs: 52

Second Level / First Program:

Type of requirement	Number of units	Number of hours			Course Name in English	Course Name in Arabic	No.
		T	P	T			
Department- compulsory	6	6	3	3	Obstetric and Maternity Nursing	تمريض النسائية والتوليد	-1
Department- compulsory	6	6	3	3	Pediatric Nursing	تمريض الاطفال	-2
Department- compulsory	2	2	-	2	Nutrition and Diet Therapy	التغذية والمعالجة الغذائية	-3
Institute- compulsory	2	2	-	2	Principles of Occupational Safety	مبادئ السلامة المهنية	-4
University- compulsory	2	2	-	2	English Language	اللغة الإنكليزية	-5
Institute- compulsory	2	2	2	-	Proposal	مشروع بحث التخرج	-6
	20	20	8	12	Total		

Second Level / Second Program:

Type of requirement	Number of units	Number of hours			Course Name in English	Course Name in Arabic	No.
		T	P	T			
Department- compulsory	5	5	2	3	Mental and Psychiatric Nursing	تمريض الصحة النفسية والعقلية	-1
Department- compulsory	5	5	3	2	Primary Health Care	الرعاية الصحية الأولية	-2
Institute- compulsory	4	4	2	2	Pharmacology	الدوائيات	-3
Institute- compulsory	2	2	-	2	Professional Ethics	اخلاقيات المهنة	-4
Institute- compulsory	2	2	-	2	Biostatistics	الاحصاء الحياتي	-5
Department- compulsory	2	2	2	-	Proposal	مشروع بحث التخرج	-6
Department- optional	2	2	-	2	Health Administration	الإدارة الصحية	-7
Department- optional	2	2	-	2	Epidemiology	الوبائيات	-8
	22	22	9	13	Total		

Total theoretical hours for the two programs: 25

Total practical hours for the two programs: 17

Total Hours for the two programs: 42

Total Units for the two programs: 42

12-Planning for personal development

1. Development courses.
2. Participation in scientific conferences.
3. Specialized seminars.
4. presentation research
5. Regular meetings.
6. cultural activities.
7. Sports activities.
8. Technical activities.
9. Presentation of scientific developments

13- Admission Criteria

1. The total degree that the student obtained after passing the general exams for the sixth stage.
2. To be a graduate of the scientific(biology) branch
3. The results of the medical examination that the student is healthy and fit to study in the department.
4. Desire

14-The most important references of information about the program

1-Textbooks

-Nazira Hussain, Nahida Muhammad – Medical Surgical Nursing - Technical Education Commission / Baghdad 1999

-Nazira Hussain, Nahida Muhammad – Medical Surgical Nursing - Technical Education Commission / Baghdad 2000

-Smith & Ghips " Medical Surgical Nursing Philadelphia 2000

- 1- Modern methods of communication (internet)
- 2- Paper sources (books in the institute's library).
- 3- - Electronic resources (books in the institute's electronic library)
- 4- - The virtual library of the Ministry of Higher Education and Scientific Research.

Curriculum Skills diagram

kindly put a mark on the boxes corresponding to the individual learning outcomes from the program subject to evaluation

Learning outcomes required from the program																
year	code of course	name of subject	basic or Assistance	cognitive aims				skill aims related to the program				Emotional and value goals				OTHER SKILLS RELATED TO employability and personal development
2022/2023				A	A	A	A	B	B	B	B	C	C	C	C	D
First stage				1	2	3	4	1	2	3	4	1	2	3	4	
	NTU110	Fundamentals of Nursing	basic	√	√	√	√	√	√	√	√	√	√	√	√	√
	NTU113	Medical Surgical Nursing	basic	√	√	√	√	√	√	√	√	√	√	√	√	√
	TIK111	Anatomy	Assistance	√	√	√	√	√	√	√	√	√	√	√	√	√
	TIK108	Physiology	Assistance	√	√	√	√	√	√	√	√	√	√	√	√	√
	NTU111	Microbiology	Assistance	√	√	√	√	√	√	√	√	√	√	√	√	√
	NTU112	Clinical chemistry	Assistance	√	√	√	√	√	√	√	√	√	√	√	√	√
	NTU102	Computer Applications	Assistance	√	√	√	√	√	√	√	√	√	√	√	√	√
	NTU100	Human Rights	Assistance	√	√	√	√	√	√	√	√	√	√	√	√	√
	NTU106	Democratic	Assistance	√	√	√	√	√	√	√	√	√	√	√	√	√
	NTU101	English Language	Assistance	√	√	√	√	√	√	√	√	√	√	√	√	√

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities. that are provided .It should be relate with the programme description.

1.Name of university	Northern Technical university
2.Name of Department	Nursing techniques
3.Name of subject	Fundamental of Nursing
4.Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
5.Course/year	Yearly system
6.Total number of hours of study	3 theoretical + 4 practical =7 hours weekly 105 hours yearly
7.Description creation date	1/9/2023

8- Academic Program Objectives:

- 1) Providing the student with theoretical information related to health concepts and nursing and medical terms.
- 2) Familiarization with special devices for nursing care of patients for different age groups.
- 3) Knowledge of the basics and steps of nursing reports and documentation.
- 4) Knowing the importance of nursing theories and their practical application.
- 5) Understand communication skills and health education steps

9-Course outcomes and methods of teaching, learning and assessment

A- Cognitive aims

- A1- learning of the methods and rules of the nursing profession.
- A2- Linking theoretical scientific knowledge with practical application.
- A3- Conducting scientific research in hospitals and health centers.
- A4- Understand and develop the principles and rules of professional

b- Subject-specific skill objectives

- B1 - The ability to diagnose nursing conditions.
- B 2- Providing nursing care services to all age groups in society.
- B 3- The ability to make a nursing diagnosis for all age groups in society.

10-Teaching and learning methods

By electronic lectures, seminars, and practical training in laboratories

Evaluation methods

- 1) Orally exams.
- 2) Written exams
- 3) Daily evaluation.
- 4) Electronic tests using Google Form.
- 5) Laboratory reports.
- 6) The practical exam.
- 7) Discuss student research
- 8) The first-semester electronic exam.
- 9) The second-semester electronic exam.
- 10) Final electronic exams

C. Thinking skills

C1-learning accuracy and discipline in receiving knowledge and knowledge.

C 2 - Learning to communicate and interact during the lecture and practical training.

C3 - Increasing love and respect for the nursing profession.

C 4 - Work to create the requirements of the labor market and raise economic capabilities.

Teaching and learning methods

1) Electronic lectures. 2) Practical training 3) Attitudes

Assessment methods

1- Observation 2- Interview 3- Cumulative record of the student

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

D 1-Uses modern equipment to assess the patient's health status

D2- Apply modern computer programs to enter patient data

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

1.Name of university	Northern Technical university
2.Name of Department	Nursing techniques
3.Name of subject	Microbiology
4.Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
5.Course/year	Yearly system
6.Total number of hours of study	2 theoretical + 2 practical =4hours weekly 60 hours yearly
7.Description creation date	1/9/2023

8-Academic Program Objectives

The course aims to make the student familiar with the microorganisms that have medical importance and that he encounters in the future and to prevent the spread of infection in the workplace.

9-Learning outcomes and methods of teaching, learning and assessment

A-Cognitive goals

A1- Identifying different microorganisms (bacteria, viruses, fungi, parasites)

A2- Identifying the microorganisms that cause diseases, methods of transmission, prevention, treatment

A3- Identify parasites, their life cycle and the diseases they cause

A4- Knowing the methods of diagnosis

A5- Understand the principles of immunology and its types

A 6- How to perform sterilization and disinfection operations

B - Subject-specific skill objectives

B1 - How to use laboratory equipment

B2 - How to prepare different culture media, culture of bacteria, and diagnostic methods

B3 - Bacterial sensitivity test

Teaching and learning methods

.Electronic lectures and seminars

.Practical training in laboratories

Evaluation methods

1.Oral exams. 2) Seminars, reports and research. 3) Daily evaluation

4-Laboratory reports. 5) The practical exam in attendance. 6) The first semester 7.exam electronically

8-The second semester exam electronically.9- Final exams electronically.Practical training in the laboratory

C- Emotional and value goals

C1- Preventing pollution through the use of sterilization and disinfection methods

C2- Protecting patients from contamination

C 3- Applying standards of hygiene, sterilization and disinfection to himself to protect his family

Teaching and learning methods

1-Electronic lectures 2) Showing scientific films 3) Practical training in the laboratory

Evaluation methods

1-Daily tests 2 - electronic quarterly tests 3 - practical application

D - Transferred general and qualifying skills (other skills related to .(employability and personal development

D 1- Practical methods of sterilization and disinfection and their importance

D 2- Preventing the transmission of diseases from the patient to the therapist

D 3- The importance of giving the medicine at the specified times and its impact on recovery

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

1.Name of university	Northern Technical university
2.Name of Department	Nursing techniques
3.Name of subject	Anatomy
4. Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
5.Course/year	Yearly system
6.Total number of hours of study	2 theoretical + 2 practical =4hours weekly 60 hours yearly
7.Description creation date	1/9/2023

8-Academic Program Objectives

The course aims to make the student familiar with the anatomy of the human body and organs, as well as knowing the relationship between them.

Learning outcomes and methods of teaching, learning and assessment

A-Cognitive goals

A1-Learn about the anatomy of the human body

A 2- Getting to know the human organs

B - Subject-specific skill objectives

B1 - The ability to know the anatomical position of the human being

B 2- The ability to diagnose the location of all body organs, veins, arteries, nerves, muscles and fatty tissues

Teaching and learning methods

1-Lectures and seminars. 2- Scientific films 3- Pictures and posters

4-Practical training in laboratories -

Evaluation methods

- 1-Seminars and reports
- . 2) Daily evaluation
- . 3-practical exam in attendance. 4) The first semester exam electronically
- 5-The second semester exam electronically. 6) Final exams online

C- Emotional and value goals

C1- Good knowledge of human anatomy

C2- Good knowledge of the relationship of bodily organs with each other

Teaching and learning methods

1-(Lectures (blended learning

2- Showing scientific films

Evaluation methods

-Daily tests

-written exams

-Practicality

D - Transferred general and qualifying skills (other skills related to employability and .(personal development

D1- Practical ways to learn about human anatomy

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

1.Name of university	Northern Technical university
2.Name of Department	Nursing techniques
3.Name of subject	Physiology
4. Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
5.Course/year	Yearly system
6.Total number of hours of study	2 theoretical + 2 practical =4hours weekly 60hours yearly
7.Description creation date	1/7/2023

8-Academic Program Objectives

The course aims to make the student familiar with the of functions of organs as well as knowing the relationship between them.

Learning outcomes and methods of teaching, learning and assessment

Cognitive goals

A1 - Getting to know the human organs

A 2- The relationship of human organs with each other

A3- Understand the normal functions of all body parts

B Subject-specific skill objectives

.B1 - The ability to measure the normal vital signs

B 2- The ability to perform some laboratory tests such as hemoglobin, white and red blood cell counts, and others

B 3- The ability to conduct an electrocardiogram and examine lung functions

Teaching and learning methods

1-Lectures and seminars. 2- Scientific films 3- Pictures and posters

4-Practical training in laboratories -

Evaluation method

1-Seminars and reports

2) Daily evaluation

3-practical exam in attendance. 4) The first semester exam electronically

5-The second semester exam electronically. 6) Final exams online

C- Emotional and value goals

C1- Good knowledge of functions of organs

C2- Good knowledge of the relationship of bodily organs with each other

Teaching and learning method

1) Electronic lectures 2) Showing scientific films. 3) Practical training in the laboratory

Evaluation methods

D - Transferred general and qualifying skills (other skills related to
.(employability and personal development

D 1- Practical ways to identify the functions of the human body parts

D 2- Theoretical and practical methods on the relationship of members
with each other

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

1.Name of university	Northern Technical university
2.Name of Department	Nursing techniques
3.Name of subject	Medical surgical nursing
4. Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
5.Course/year	Yearly system
6.Total number of hours of study	3 theoretical +4 practical =7hours weekly 105 hours yearly
7.Description creation date	1/9/2023

8-Academic Program Objectives

-General information about medical and surgical diseases.

Information about the patient's basic needs and providing comfort and complete care for patients in meeting their needs.

Learning outcomes and methods of teaching, learning and assessment

A- Cognitive goals

A1 - Qualifying the graduate on professional behavior in dealing with his profession and achieving compatibility with himself and his professional environment (the patient and his companions, workers in the health .(field and medical devices

A2- Knowledge of internal and surgical diseases and how to care for the patient before and after surgeries .

Subject-specific skill objectives

B1 - Providing nursing care to patients before and after surgical .operations

B2- Providing nursing care for patients with diseases of the digestive system, respiratory system, urinary system, blood diseases, heart diseases, diseases of the ear, nose and throat, eye diseases and skin .diseases

B3- Providing nursing care in the C.C.U Resuscitation Unit and the I.C.U . Unit

Teaching and learning methods

1-Lectures and seminars. 2- Scientific films 3- Pictures and posters
4-Practical training in laboratories-

Evaluation method

1) Seminars and reports

2) Daily evaluation

3-practical exam in attendance.

4) The first semester exam electronically

5-The second semester exam electronically.

6) Final exams online

Emotional and value goal

A1- Deals kindly with the patient

C 2- He strengthens his relationship with his colleagues

C 3- Keeps the secrets of the patient

C4- He listens to the patient and meets his needs

Teaching and learning methods

Lectures and seminars electronically. 2- Scientific films 3- Pictures and posters
4-Practical training in laboratories-

Evaluation method

1- Observation

2- Interview-

-3-Cumulative record of the student during the year

D - Transferred general and qualifying skills (other skills related to
(employability and personal development

Uses modern equipment to assess the patient's health status

D2- Apply modern computer programs to enter patient data

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

1.Name of university	Northern Technical university
2.Name of Department	Nursing techniques
3.Name of subject	Statistics
4. Available forms of attendance	By Google meet electronically in the side theoretical
5.Course/year	Yearly system
6.Total number of hours of study	2 theoretical (weekly) 30 hours yearly
7.Description creation date	1/9/ 2023

8-Academic Program Objectives

- 1-At the end of the school year, the student will be able to process and analyze statistical data and reach the correct conclusions
- 2-The student will be able to prepare statistical forms

Learning outcomes and methods of teaching, learning and assessment

1-Dealing with statistical data

2.Dealing with and knowing the life and health statistical measures

3-Organizing the statistical and health forms related to daily accidents such as births, deaths and diseases

B - Subject-specific skill objectives

B1 - Apply statistical measures in research and studies

B2 - Organizes the statistical and health forms related to daily accidents such as births, deaths and diseases

Teaching and learning methods

1-The electronic lecture

2-Case studies -

3-Seminar

Evaluation method

1-Seminars and reports 2) Daily assessment 3) The first semester exam electronically

4-The second semester exam electronically. 5) Final exams online

C- Emotional and value goals

C 1- Maintains the patient's health secrets

C 2- Develops his relationship with his colleagues

C3 - Maintains records and information of the institution in which he works

Evaluation methods

Transferred general and qualification skills (other skills related to employability and personal development

D1- He uses modern equipment to prepare a nutrition form for each patient according to his health condition

D2- Apply modern computer programs to enter patient data

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

1.Name of university	Northern Technical university
2.Name of Department	Nursing techniques
3.Name of subject	computer applications (1)
4. Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
5.Course/year	Yearly system
6.Total number of hours of study	1 theoretical +2 practical =3hours weekly. 45hours yearly
7.Description creation date	1/9/2023

8-Academic Program Objectives

The course aims at the student being able to deal with a computer, familiar with its use, and understanding the methods of using its software.

Learning outcomes and methods of teaching, learning and assessment

A-Cognitive goals

A1 - Develop students' skills by involving them in teamwork through the .practical application of computer programs

A2 - Practical application that develops students' ability by linking the scientific .material to the process

A3 - Preparing the student from a practical point of view through the required .research

A4- Updating scientific programs and curricula to meet the requirements of work in the health field

B - Skills objectives of the course

B1 - Enable the student to work in a team spirit

.B2 - Develop his scientific skills in the use of computers in the health field

Teaching and learning methods

-Electronic lectures

-Modern visual and audio aids, projectors

Evaluation methods

. 1-Seminars and reports 2) Daily evaluation

.3-The practical exam in attendance. 4) The first semester exam electronically

5-The second semester exam electronically. 6) Final exams online

Emotional and value goals

C1- Instilling confidence in the student by involving him in the practical application of computer use in the health field

C2- Strengthening his language skills by giving seminars and discussion reports

Teaching and learning methods

Electronic lectures. 2) meeting seminars

Evaluation methods

- 1- Observation
- 2-The interview
- 3-Cumulative record of the student

D- Transferred general and qualifying skills (other skills related to employability and personal development.

D1 - Develop the student's ability to improvise and increase his ability to interact with others through the number of discussion panels.

D2 - Qualifying students for field work through direct communication with health staff during field visits organized by the department

Course description form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

1.Name of university	Northern Technical university
2.Name of Department	Nursing techniques
3.Name of subject	Clinical Chemistry
4. Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
5.Course/year	Yearly system
6.Total number of hours of study	2 theoretical + 2 practical =4hours weekly 60 hours yearly
7.Description creation date	1/7/2023

Academic Program Objectives;

1. The student should be familiar with the chemical compounds present in the human body
2. Knowledge of the diseases caused by the increase or decrease of chemical compounds in the human body

Learning outcomes and methods of teaching, learning and assessment

A-Cognitive goals

A1 -Knows clinical chemistry

A 2- He knows the chemical compounds present in the human body and the sources of their formation in the body

A3- Knows the normal ratios of chemical compounds in the blood

A4- Recognize the variables that can occur to these compounds in abnormal cases

B - Skills objectives of the course

B1 - Diagnose the various diseases in terms of the variables that occur in the levels of these compounds and other body fluids

B2 - Know the different laboratory methods that are used in clinical chemistry laboratories

B3 - Uses equipment used in clinical chemistry laboratories

B-4 - Measures the levels of chemical components important in diagnosing diseases in the blood laboratory

Teaching and learning methods

- 1)Electronic and in-person lectures
- 2) Practical training in laboratories.
- 3) Show scientific films

Evaluation methods

- .1-Seminars and reports
- 2) Daily evaluation
- .The practical exam in attendance.
- 4) The first semester exam electronically
- .5-The second semester exam electronically.
- 6) Final exams electronically

Emotional and value goals

1-Dealing with the patient honestly and truthfully

C 2- Keeping the secrets of the patient

Teaching and learning methods

1-Electronic lectures. 2) meeting seminars 3) summer training

Evaluation methods

-Observation

-The interview

-Cumulative record of the student

Transferred general and qualification skills (other skills related to
.employability and personal development

D1- He uses modern equipment to prepare a nutrition form for each patient
according to his health condition

D2- Apply modern computer programs to enter patient data

Course description form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

1.Name of university	Northern Technical university
2.Name of Department	Nursing techniques
3.Name of subject	Human rights and democracy
4. Available forms of attendance	By Google meet electronically in the side theoretical
5.Course/year	Yearly system
6.Total number of hours of study	1 theoretical weekly 30 hours yearly
7.Description creation date	1/9/2023

Academic Program Objectives;

Introducing students to the principles of human rights and achieving justice in human life and achieving the principle of individual freedom in life through just applications of human rights principles

Learning outcomes and methods of teaching, learning and assessment

A- Cognitive goals

- .A1- The student will be familiar with the concept of human rights
- .A 2- Understand the meaning of democracy
- A3- The student knows the meaning of public freedoms

B - Skills objectives of the course

- .B1 - Writing scientific reports on the subject of human rights and democracy
- B2 - Making posters and murals that showcase the universal principles of human rights and democracy
- .

Teaching and learning methods

- Electronic lectures
- Seminars and seminars -

Evaluation methods

- 1-Seminars and reports 2) Daily assessment 3) The first semester exam electronically
- .4-The second semester exam electronically. 5) Final exams online

C- Emotional and value goals

- C1 - Getting to know the world's experiences with regard to the application of the principles of human rights and democracy
- C 2 - Identify the forms of political systems classified among the successful democratic experiences
- C3- Familiarize yourself with the general liberties of the individual and the ways to guarantee them

Teaching and learning methods

- .-Electronic lectures
- Showing scientific films about the forms of political regimes

D - Transferred general and qualifying skills (other skills related to .(employability and personal development
 .D1 - Writing scientific reports on the subject of human rights and democracy
 D2- Making posters and murals that showcase the universal principles of human rights and democracy

Name of university	Northern Technical university
Name of Department	Nursing techniques
Name of subject	computer applications (2)
Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
Course/year	Yearly system
Total number of hours of study	1 theoretical + 2 practical =3 hours weekly 7 hours yearly
Description creation date	1/7/2023

8- Academic Program Objectives:

- 1) The student being able to deal with a computer, familiar with its use, and understanding the methods of using its software.

9-Course outcomes and methods of teaching, learning and assessment

A- Cognitive aims

A1- Develop students' skills by engaging them in teamwork through the practical application of computer programs

A2- Practical application that develops students' ability to link scientific and practical material.

A3- Preparing the student in practice through the required research.

A4- Updating scientific programs and curricula to meet the requirements of work in the health field.

b- Subject-specific skill objectives

B 1 - Empowering students to work in a team spirit.

B 2- Develop his scientific skills in the use of computers in the health field.

10-Teaching and learning methods

- Electronic lectures, seminars.
- Modern visual and audio aids, projectors

Evaluation methods

- 1) Seminars and reports.
- 2) Daily evaluation.
- 3) Practical exam.
- 4) First-semester electronic exam.
- 5) Second-semester electronic exam.
- 6) Final electronic exams.

C. Thinking skills

- 1) Instilling self-confidence in the student by involving him in the practical application of computer use in the health field.
- 2) Strengthening his language skills by presenting seminars and discussion reports.

Teaching and learning methods

- 1) Electronic lectures.
- 2) Seminar presentation.
- 3) Practical training

Assessment methods

- 1- Observation
- 2- Interview.
- 3- Cumulative record of the student.

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

D1- Develop the student's ability to improvise and increase his ability to interact with others through the preparation of discussion panels.

D2- Qualifying students for field work through direct communication with health staff during summer training.

Course description form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

Name of university	Northern Technical university
Name of Department	Nursing techniques
Name of subject	Obstetrics and Gynecology Nursing
Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
Course/year	Yearly system
Total number of hours of study	3 theoretical + 3 practical =6 hours weekly

	90 hours yearly
Description creation date	1/9/2023
8- Academic Program Objectives:	
<ol style="list-style-type: none"> 1) Pregnancy care. 2) Care during childbirth and the puerperium. 	
9-Course outcomes and methods of teaching, learning and assessment	
A- Cognitive aims	
A1- learning about the female reproductive system and its diseases.	
A2- Learn how to take care of a pregnant woman during pregnancy and after childbirth.	
A3- Recognize the problems that a pregnant woman faces during pregnancy, childbirth and after.	
A4- Knowledge of types of abortion and its causes.	
b- Subject-specific skill objectives	
B1 - It applies the nursing process in caring for mother and child.	
B 2- Measures and records the fetal heartbeat.	
10-Teaching and learning methods	
<ul style="list-style-type: none"> – Electronic lectures, seminars. – Practical training in laboratories. – Display scientific movies. 	
Evaluation methods	
<ol style="list-style-type: none"> 1) Seminars and reports. 2) Daily evaluation. 3) Practical exam. 4) First-semester electronic exam. 5) Second-semester electronic exam. 6) Final electronic exams. 	
C. Thinking skills	

- 1) Preserves the patient's health secrets.
- 2) Develops relationship with colleagues.
- 3) Show humanity in caring to the patient.
- 4) Gently listens to the patient.

Teaching and learning methods

- 1) Electronic lectures.
- 2) Seminar presentation.
- 3) Practical training

Assessment methods

- 1- Observation
- 2- Interview.
- 3- Cumulative record of the student.

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

D1-Uses modern equipment to assess the mother and fetus health status.

D2- Apply modern computer programs to enter patient data.

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

Name of university	Northern Technical university
Name of Department	Nursing techniques
Name of subject	Psychiatric and mental nursing
Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
Course/year	Yearly system
Total number of hours of study	3 theoretical + 2 practical =5 hours weekly 75 hours yearly
Description creation date	1/9/2023
8- Academic Program Objectives:	
1) Student learn about mental health in order for the individual to be free from psychological and mental disorders.	
9-Course outcomes and methods of teaching, learning and assessment	
A- Cognitive aims	
A1- Learn how to deal with people with mental illnesses.	
A2- Learn the importance of psychological care in treating diseases.	
b- Subject-specific skill objectives	
B1 - The ability to carry out nursing diagnosis to psychiatric conditions.	
B 2- Nursing care for patients with psychiatric and mental diseases.	
10-Teaching and learning methods	
<ul style="list-style-type: none"> – Electronic lectures, seminars. – Practical training in laboratories. 	

– Display scientific movies.

Evaluation methods

- 1) Seminars and reports.
- 2) Daily evaluation.
- 3) Practical exam.
- 4) First-semester electronic exam.
- 5) Second-semester electronic exam.
- 6) Final electronic exams.

C. Thinking skills

- 1) Preserves the patient's health secrets.
- 2) Develops relationship with colleagues.
- 3) Show humanity in caring to the patient.
- 4) Gently listens to the patient.

Teaching and learning methods

- 1) Electronic lectures.
- 2) Seminar presentation.
- 3) Practical training

Assessment methods

- 1- Observation
- 2- Interview.
- 3- Cumulative record of the student.

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

D1-Uses modern equipment to assess the mental health status of psychiatric patient

D2- Apply modern computer programs to enter patient data.

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

Name of university	Northern Technical university
Name of Department	Nursing techniques
Name of subject	Primary health care
Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
Course/year	Yearly system
Total number of hours of study	2 theoretical + 3 practical =5 hours weekly 75 hours yearly
Description creation date	1/9/2023
8- Academic Program Objectives: 1) The students learn basics and principles of primary health care. 2) Knowledge of communication skills, health education and disease prevention.	

9-Course outcomes and methods of teaching, learning and assessment

A- Cognitive aims

A1- Learn about maternal and child care programs.

A2- Learn about environmental health and environmental pollution programs.

A3- Learn about immunization programs against diseases and the cold chain.

A4- Learn about health care programs in the rural area.

A5-Learn about school health programs.

A6-Learn about prevention programs of infectious disease.

A7-Gain skills and experience in educational and health programs.

b- Subject-specific skill objectives

B1 - Records notes about the school environment after the school visits.

B 2- Measures mother and the child weight and records it in their form to know the growth development of the child And mother pregnancy development.

B 3- Measures blood pressure for the pregnant women.

B 4- Give health instructions to the mother at all stages of her pregnancy care.

B 5- Participates in vaccination campaigns provided by the medical team of the health center in which the student is trained.

10-Teaching and learning methods

- Electronic lectures, seminars.
- Practical training in laboratories.
- Display scientific movies.

Evaluation methods

- 1) Seminars and reports.
- 2) Daily evaluation.

- 3) Practical exam.
- 4) First-semester electronic exam.
- 5) Second-semester electronic exam.
- 6) Final electronic exams.

C. Thinking skills

- 1) Dealt kindly with clients.
- 2) Develops relationship with colleagues.
- 3) Preserves the patient's health secrets.
- 4) Provides health education and awareness about health promotion and disease prevention to the community.

Teaching and learning methods

- 1) Electronic lectures.
- 2) Seminar presentation.
- 3) Practical training

Assessment methods

- 1- Observation
- 2- Interview.
- 3- Cumulative record of the student.

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

D1- Apply modern computer programs to enter patient data.

D2- Implementing the programs of the Ministry of Health in relation to primary health care such as (the early detection program for breast cancer, blood pressure and diabetes and other programs).

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

Name of university	Northern Technical university
Name of Department	Nursing techniques
Name of subject	Pediatric nursing
Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
Course/year	Yearly system
Total number of hours of study	3 theoretical + 3 practical =6 hours weekly 90 hours yearly
Description creation date	1/9/2023
8- Academic Program Objectives:	
1) Enable the student to acquire the knowledge, skills and behaviors necessary to maintain child's health status.	
2) Prevention and early diagnosis of health problems and reduce problems related to the health, growth and development of the child.	

9-Course outcomes and methods of teaching, learning and assessment

A- Cognitive aims

A1- Learn about the nursing care of the newborn.

A2- Learn about the nursing care of the premature baby, methods of feeding and caring in the incubator.

A3- Recognize the growth and development of the child from one month to 12 months in particular, while continuing growth assessment for the rest of his life.

A4- Identify the causes of malnutrition and the types of diseases that the child is exposed to due to malnutrition.

A5-To identify the infectious or epidemic diseases that affect children.

A6- Getting to know the physically, psychologically and mentally handicapped children and how to do physical therapy for them.

b- Subject-specific skill objectives

B 1 - The use of the nursing process in child care.

B 2- Measures and records the pulse, reflexes and respiration using apgar score chart.

B 3- Use growth and development chart at the beginning of the first months of child's live.

10-Teaching and learning methods

- Electronic lectures, seminars.
- Practical training in laboratories.
- Display scientific movies.

Evaluation methods

- 1) Seminars and reports.

- 2) Daily evaluation.
- 3) Practical exam.
- 4) First-semester electronic exam.
- 5) Second-semester electronic exam.
- 6) Final electronic exams.

C. Thinking skills

- 1) Preserves the patient's health secrets.
- 2) Develops relationship with colleagues.
- 3) Show humanity in caring to the patient.
- 4) Gently listens to the patient.

Teaching and learning methods

- 1) Electronic lectures.
- 2) Seminar presentation.
- 3) Practical training

Assessment methods

- 1- Observation
- 2- Interview.
- 3- Cumulative record of the student.

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

D1- Uses modern equipment to assess health status of the child.

D2- Apply modern computer programs to enter patient data.

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided. It should be related with the program description.

Name of university	Northern Technical university
Name of Department	Nursing techniques
Name of subject	Nutrition and dietary treatment
Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
Course/year	Yearly system
Total number of hours of study	2 hours weekly 30 hours yearly
Description creation date	1/9/2023

8- Academic Program Objectives:

- 1) Learn the basics of nutrition and dietary treatment.

9-Course outcomes and methods of teaching, learning and assessment

A- Cognitive aims

A1- Learn about nutritional guidelines and nutritional needs.

A2- Learn about nutrients.

A3- Learn how to choose healthy diets.

A4- Feeding patients and special cases

b- Subject-specific skill objectives

B 1 - Follow dietary guidelines.

B 2- Meets the nutritional needs of patients.

B 3- Prepare special food for patients, according to his condition.

10-Teaching and learning methods

- Electronic lectures, seminars.
- Practical training in laboratories.
- Display scientific movies.

Evaluation methods

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

C. Thinking skills

- 1) Preserves the patient's health secrets.
- 2) Develops relationship with colleagues.
- 3) Show humanity in caring to the patient.
- 4) The application of dietary treatment for patients.

Teaching and learning methods

- 1) Electronic lectures.
- 2) Seminar presentation.
- 3) Practical training

Assessment methods

- 1- Observation
- 2- Interview.
- 3- Cumulative record of the student.

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

D1- uses modern equipment to prepare a nutrition form for each patient according to his health condition.

D2- Apply modern computer programs to enter patient data.

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

Name of university	Northern Technical university
Name of Department	Nursing techniques
Name of subject	Pharmaceutical
Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
Course/year	Yearly system
Total number of hours of study	2 theoretical + 2 practical =4 hours weekly 60 hours yearly
Description creation date	1/9/2023
8- Academic Program Objectives:	
1) Acquiring the necessary knowledge, skills and behaviors related to the mechanism of action of medicines, side effect of medicines, therapeutic effect, calculating the therapeutic dose for the child, and reducing disbursement errors.	

9-Course outcomes and methods of teaching, learning and assessment

A- Cognitive aims

A1- Learn methods of dispensing treatment and doses according to each medical condition.

A2- Learn the calculation of the child's drug dose.

A3- Learn about medicines and their classification according to the human body systems and organs.

A4- Learn the mechanism of action of medicines.

A5- Learn how medication excreted.

A6- Learn about the metabolism of each drug.

b- Subject-specific skill objectives

B1 - Enabling students to calculate the child's dose and route of administration.

B2- Enabling students to calculate dose limits and dosage formula and how to give them to the patient.

B3- Enabling students to schedule medications that are given intramuscularly or intravenously and differentiate them from other methods.

B4- Enabling students to diagnose side effects of drugs such as symptoms of hypersensitivity to penicillins.

10-Teaching and learning methods

- Electronic lectures, seminars.
- Practical training in laboratories.
- Display scientific movies.

Evaluation methods

- 1) Seminars and reports.

- 2) Daily evaluation.
- 3) Practical exam.
- 4) First-semester electronic exam.
- 5) Second-semester electronic exam.
- 6) Final electronic exams.

C. Thinking skills

- 1) Preserves the patient's health secrets.
- 2) Develops relationship with colleagues.
- 3) Show humanity in caring to the patient.

Teaching and learning methods

- 1) Electronic lectures. 2) Seminar presentation. 3) Practical training

Assessment methods

- 1- Observation 2- Interview. 3- Cumulative record of the student.

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

D1- uses modern equipment to prepare a treatment form for each patient according to his health condition.

D2- Apply modern computer programs to enter patient data.

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

Name of university	Northern Technical university
Name of Department	Nursing techniques
Name of subject	Occupation ethics
Available forms of attendance	by Google meet electronically in the side theoretical and practical by attendance according to the blended learning
Course/year	Yearly system
Total number of hours of study	2 hours weekly 30 hours yearly
Description creation date	1/9/2023
8- Academic Program Objectives:	
1) Learn basic ethics for medical professionals.	
9-Course outcomes and methods of teaching, learning and assessment	
A- Cognitive aims	
A1- Qualifying the graduate on professional behavior in dealing with his profession and achieving compatibility with himself and his professional environment. (The patient and his companions, health workers and medical devices).	
A2- Learn about the patient's rights and preserving his secrets.	
b- Subject-specific skill objectives	
B1 - Ability to write reports.	
B2- The ability to deal with patients, their families, and health workers.	
10-Teaching and learning methods	

- Electronic lectures, seminars.
- Practical training in laboratories.
- Display scientific movies.

Evaluation methods

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

C. Thinking skills

- 1) Preserves the patient's health secrets.
- 2) Develops relationship with colleagues.
- 3) Show humanity in caring to the patient.

Teaching and learning methods

- 1) Electronic lectures.
- 2) Seminar presentation.
- 3) Practical training

Assessment methods

- 1- Observation
- 2- Interview.
- 3- Cumulative record of the student.

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

D1- Writing objective scientific reports on professional behavior.

D2- Making posters and murals that show the principles of professional behavior.

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available learning opportunities that are provided .It should be relate with the program description.

11-course Structure

weeks	hours	Required learning outcomes	name / course or topic	education method	Assessment method
30	8	Explain the evolution of the initiation of nursing and normal vital signs	Fundamentals of Nursing	theoretical & practical	Written, orally, and practical and Google Form
30	8	Knowledge and skill about nursing care in medical-surgical nursing	medical-surgical nursing	theoretical & practical	Written, orally, and practical and Google Form
30	6	Knowledge of the anatomy of the female reproductive system, gynecological diseases, causes of abortion, and methods of nursing care.	Maternity Nursing	theoretical & practical	Written, orally, and practical and Google Form
30	6	Knowledge of mental health and how to deal with people with mental illnesses	Psychiatric Nursing	theoretical & practical	Written, orally, and practical and Google Form
30	6	Knowledge of the foundations and principles of maternal and child care, health promotion,	Primary Health Care	theoretical & practical	Written, orally, and practical and Google Form

		disease prevention and immunization against diseases			
30	6	Knowledge of normal growth and development in children, newborns, preterm infants, and pediatric nursing care	Pediatric Nursing	theoretical & practical	Written, orally, and practical and Google Form

12-Infrastructure

1-Required references books	Smith & Ghips " Medical Surgical Nursing Philadelphia 2000
2- Main References (Sources)	Fundamentals of Nursing
A- Recommended books and references (scientific journals, reports)	- Electronic resources (books in the institute's electronic library) - The virtual library of the Ministry of Higher Education and Scientific Research.

13- Study course development plan:

1-Seeking to host professors researching in the field of nursing, giving lectures and giving their opinions on the curriculum that would raise the scientific level.

2- Take advantage of the virtual library of the Ministry of Higher Education and Scientific Research.

3- Make use of solid scientific websites in developing the course by showing scientific films and developments in the field of the course.

4- The link between the theoretical and practical part of the course through the student project