

**Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department**



Academic Program and Course Description Guide

2026–2025

Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates 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 academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

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

Concepts and terminology:

Academic Program Description: The academic program description 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 students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

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

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 (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students 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 members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

Faculty: Al Taff University College

Scientific Department: Therapeutic Nutrition Technique

Academic or Professional Program Name: Bachelor's

Final Certificate Name: Bachelor's degree in Health and Medical Technologies

Academic System: Semester

Description Preparation Date: 1/8/2025

File Completion Date: 1/9/2025

Signature:

Head of Department Name:

Assis. Prof. Dr. Alaa Aaid Abied

Date: 2025/10/1



Signature:

Scientific Assistant:

Lect. Malak Abd allatif Abd alhussein

Date:

2025/10/4

File reviewed by

Quality Assurance and University Performance Division

Name of the Head of the Quality Assurance and University Performance Division :

Lect. Ahmed Modher

Signature :

Date :

2025/10/6



1. Program Vision

The Department of Therapeutic Nutrition Techniques seeks to prepare qualified professionals who contribute to improving individual and community health through the provision of comprehensive nutritional care. The program aspires to be a distinguished academic reference in the field of therapeutic and preventive nutrition.

2. Program Mission

The mission of the Therapeutic Nutrition Techniques program is to prepare specialists with the scientific and practical competence to provide evidence-based nutritional care, and to contribute to promoting public health through education, scientific research, and community service.

3. Program Objectives

1. Prepare qualified professionals with the knowledge and skills required to deliver comprehensive nutritional and therapeutic care.
2. Enhance students' practical competencies through clinical and field training in health and community institutions.
3. Promote scientific research in therapeutic and preventive nutrition to address health and nutritional challenges.
4. Contribute to community service by fostering nutritional awareness and implementing preventive strategies to improve public health.
5. Establish scientific and professional partnerships with health and academic institutions to strengthen the quality of education and practical application.

6. Cultivate professional and ethical values among graduates to ensure adherence to professional standards and effective teamwork.

4. Program Accreditation

Not available

5. Other external influences

Not available

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	13	28	22.4	
College Requirements	13	35	22.4	
Department Requirements	30	90	51.7	
Summer Training	2		3.4	
Other				

* This can include notes whether the course is basic or optional.

First Level

Course code	Credit Hours	Number of Practical Hours	Number of Theoretical Hours	Course Title		Prerequisite Type
				In English	In Arabic	
NTU 100	2	0	2	Democracy and Human rights	الديمقراطية وحقوق الإنسان	University Requirements Compulsory (Knowledge Requirements)
NTU 101	2	0	2	English Language	اللغة الإنكليزية	
NTU 102	2	1	1	Computer	الحاسوب	
*NTU 103	2	0	2	Arabic Language	اللغة العربية	
*NTU 104	2	1	1	Sports	رياضة (اختياري)	
27.78%	10					Total
CHMTK 111	2	0	2	Medical terminology	مصطلحات طبية	College Requirements (Compulsory)
CHMTK 112	3	3	2	General chemistry	الكيمياء العامة	
CHMTK 113	3	3	2	General biology	علم الأحياء العام	
CHMTK 114	3	3	2	General Histology	علم الأنسجة العام	
*CHMTK 115	3	3	2	General anatomy	تثريح عام	
38.89%	14					Total
TNT 121	3	3	2	Principles of General Nutrition	مبادئ التغذية العامة (اجباري)	Department Requirements (Compulsory)
*TNT 122	3	3	2	Human physiology	علم الفسلجة البشرية (اجباري)	
*TNT 123	3	2	2	Biochemistry basics	اساسيات الكيمياء الحياتية	
*TNT 124	3	3	2	Human biology	علم الأحياء البشري	
33.33%	12					Total
36 وحدة				Total		

Second Level

Course code	Credit Hours	Number of Practical Hours	Number of Theoretical Hours	Course Title		Prerequisite Type
				In English	In Arabic	
NTU 200	2	0	2	English Language	اللغة الإنكليزية	University Requirements Compulsory (Knowledge Requirements)
NTU 201	2	1	1	Computer	حاسوب	
NTU 202				Arabic Language	اللغة العربية	
NTU 203	2	0	2	The crimes of the Baath regime in Iraq	جرائم نظام البعث في العراق	
*NTU 204	2	0	2	Professional ethics	اخلاقيات المهنة	
20%	8					Total
CHMTK 211	2	0	2	Medical psychology	علم النفس الطبي	College Requirements (Compulsory)
CHMTK 212	3	2	2	Metabolism	الايض الغذائي	
* CHMTK 213	3	2	2	Biostatistics	إحصاء حيوي	
-	-	-	-	مستوفي	تدريب صيفي	
20%	8					Total
TNT 221	3	3	2	Pathophysiology	الفسيولوجيا المرضية	Department Requirements (Compulsory)
TNT 222	3	3	2	Public health nutrition	تغذية الصحة العامة	
TNT 223	3	3	2	Medical Microbiology	احياء مجهرية طبية	
* TNT 224	3	3	2	Basic Immunology	اساسيات علم المناعة	
* TNT 225	3	3	2	Metabolic disorders	اضطرابات التمثيل الغذائي	
* TNT 226	3	3	2	Advanced public health nutrition	تغذية الصحة العامة المتقدمة	
* TNT 227	3	3	2	Nutritional epidemiology	علم الأوبئة الغذائية	
* TNT 228	3	3	2	Food preservation Or Food labelling	علم حفظ الأغذية او ملصقات الأغذية (اختياري)	
60%	24					Total
				40 وحدة	المجموع الكلي	

Third Level

Course code	Credit Hours	Number of Practical Hours	Number of Theoretical Hours	Course Title		Prerequisite Type
				In English	In Arabic	
NTU 300	2	0	2	English Language	اللغة الإنكليزية	University Requirements Compulsory (Knowledge Requirements)
*NTU 301	2	0	2	English Language	اللغة الإنكليزية	
11.43%	4					Total
CHMTK 311	2	2	1	Computer applications	تطبيقات الحاسوب	College Requirements (Compulsory)
CHMTK 312	3	3	2	Laboratory Safety	الامان في المختبرات	
* CHMTK 313	2	0	2	Research methods	طرائق البحث الطبي	
-	-	-	-	مستوفي	تدريب صيفي	
20%	7					Total
TNT 321	3	3	2	Clinical Biochemistry	الكيمياء الحياتية السريرية	Department Requirements (Compulsory)
TNT 322	3	3	2	Drugs and food supplements	العقاقير والمكملات الغذائية	
TNT 323	3	3	2	Maternal & Pediatric nutrition	تغذية الام والطفل	
TNT 324	3	3	2	Therapeutic nutrition of Gastrointestinal patients	التغذية العلاجية لمرضى الجهاز الهضمي	
* TNT 325	3	3	2	Therapeutic nutrition of Cardiovascular patients	التغذية العلاجية لمرضى القلب	
* TNT 326	3	3	2	Endocrinology disorders	اضطرابات الغدد الصماء	
* TNT 327	3	3	2	Food analysis Or Nutrigenetics	تحليل الأغذية او الوراثة التغذوية (اختياري)	
* TNT 328	3	3	2	Clinical nutrition	التغذية السريرية	
68.57%	24					Total
35 وحدة				المجموع الكلي		

Fourth Level

Course code	Credit Hours	Number of Practical Hours	Number of Theoretical Hours	Course Title		Prerequisite Type
				In English	In Arabic	
NTU 400	2	0	2	Scientific research methodology	منهجية البحث العلمي	University Requirements Compulsory (Knowledge Requirements)
*NTU 401	2	0	2	English Language	اللغة الإنكليزية	

10%	4					Total
CHMTK 411	2	0	2	Preventive and social medicine/ Serology & vaccines	الطب الوقائي والاجتماعي/ علم الامصال واللقاحات (اختياري)	College Requirements (Compulsory)
CHMTK 412	4	-	-	Graduation Project	مشروع التخرج	
15%	6					Total
TNT 421	3	3	2	Medical nutrition therapy techniques	تقنيات التغذية العلاجية الطبية	Department Requirements (Compulsory)
TNT 422	3	2	2	Communication skills	مهارات التواصل	
TNT 423	3	3	2	Nutritional assessment	التقييم الغذائي	
TNT 424	3	3	2	Therapeutic nutrition of renal and CNS patients	التغذية العلاجية لمرضى الجهاز البولي والعصبي	
TNT 425	3	3	2	Nutritional health management	الإدارة الصحية التغذوية	
* TNT 426	3	3	2	Advanced Medical nutrition therapy techniques	تقنيات التغذية العلاجية الطبية المتقدمة	
* TNT 427	3	3	2	Therapeutic nutrition of chronic disease patients	التغذية العلاجية لمرضى الأمراض المزمنة	
* TNT 428	3	3	2	Antibiotics	المضادات الحيوية	
* TNT 429	3	3	2	Food security	الامن الغذائي	
* TNT 430	3	3	2	Nutritional Counselling	الاستشارات التغذوية	
75%	30					Total

7. Expected learning outcomes of the program

Knowledge

Learning Outcomes 1

1. Understand the theoretical foundations of therapeutic nutrition and the relationship between food, human health, and disease.
2. Be familiar with the composition of foods and nutrients and their physiological and biochemical effects on body systems.

	3. Know the methods for assessing nutritional status and diagnosing nutritional problems using clinical and laboratory indicators. 4. Stay updated on the latest scientific trends and global guidelines in the field of therapeutic and preventive nutrition.
Skills	
Learning Outcomes 2	1. Apply practical skills in designing and implementing therapeutic nutrition plans suitable for various medical conditions. 2. Utilize modern techniques and nutritional assessment tools to determine the dietary needs of individuals and communities. 3. Analyze and interpret laboratory and clinical results to correlate them with nutritional status. 4. Communicate effectively with patients and healthcare professionals to provide nutritional counseling in a professional manner.
Ethics	
Learning Outcomes 3	1. Adhere to professional ethics in providing therapeutic nutrition services. 2. Develop a sense of responsibility and teamwork within the healthcare system. 3. Promote continuous learning and keep up with the latest developments in therapeutic nutrition. 4. Contribute to community service by raising nutritional awareness and promoting disease prevention culture.

8. Teaching and Learning Strategies

1. Interactive lectures to present theoretical concepts and connect them with practical applications.
2. Practical and clinical training in laboratories and health centers to develop applied skills.
3. Problem-based learning and case studies to enhance critical thinking.

4. Collaborative learning and group projects to foster teamwork and professional communication.
5. Utilization of modern tools and e-learning to support understanding and innovation.

9. Evaluation methods

Weekly, monthly, and daily exams, as well as the end-of-term (final) exam.

10. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Professor					1	
Assistant Professor					2	
Lecturer					6	
Assistant Lecturer					2	

Professional Development

Mentoring new faculty members

- Adhere to the mission, vision, and objectives of the academic program.
- Implement modern and interactive teaching strategies.
- Focus on linking theoretical knowledge with practical and clinical applications.
- Uphold academic ethics and quality standards.

Professional development of faculty members

- In-house training courses

- External training courses
- Scientific research – study sessions and scientific seminars
- Self-directed learning

11. Acceptance Criterion

Scientific Branch

- GPA (Grade Point Average) 70

12. The most important sources of information about the program

- Textbooks
- Supplementary Sources (Internet)
- Scientific Research and Its Latest Developments

13. Program Development Plan

Review the experiences of peer universities and colleges, both Arab and international, and benefit from their developments.

Program Skills Outline

				Required program Learning outcomes										
Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics		
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3
	NTU 100	Democracy and Human rights										✓	✓	
	NTU 101	English Language												
	NTU 102	Computer						✓	✓		✓			
	*NTU 103	Arabic Language									✓			
	*NTU 104	Sports											✓	
	CHMTK 111	Medical terminology				✓				✓	✓			
	CHMTK 112	General chemistry				✓								
	CHMTK 113	General biology				✓								
	CHMTK 114	General Histology				✓								
	*CHMTK 115	General anatomy				✓								
	TNT 121	Principles of General Nutrition		✓	✓		✓	✓	✓	✓				✓
	*TNT 122	Human physiology		✓	✓	✓			✓	✓				
	*TNT 123	Biochemistry basics		✓	✓	✓		✓		✓				
	*TNT 124	Human biology				✓		✓		✓				
	NTU 200	English Language						✓	✓		✓			
	NTU 201	Computer						✓	✓		✓			
	NTU 202	Arabic Language									✓			
	NTU 203	The crimes of the Baath regime in Iraq												
	*NTU 204	Professional ethics												
	CHMTK 211	Medical psychology												
	CHMTK 212	Metabolism												
	* CHMTK 213	Biostatistics												
	-													
	TNT 221	Pathophysiology												
	TNT 222	Public health nutrition												
	TNT 223	Medical Microbiology												

* TNT 224	Basic Immunology													
* TNT 225	Metabolic disorders													
* TNT 226	Advanced public health nutrition													
* TNT 227	Nutritional epidemiology													
* TNT 228	Food preservation Or Food labelling													
NTU 300	English Language													
*NTU 301	English Language													
CHMTK 311	Computer applications													
CHMTK 312	Laboratory Safety													
* CHMTK 313	Research methods													
-														
TNT 321	Clinical Biochemistry													
TNT 322	Drugs and food supplements													
TNT 323	Maternal & Pediatric nutrition													
TNT 324	Therapeutic nutrition of Gastrointestinal patients													
* TNT 325	Therapeutic nutrition of Cardiovascular patients													
* TNT 326	Endocrinology disorders													
* TNT 327	Food analysis Or Nutrigenetics													
* TNT 328	Clinical nutrition													
NTU 400	Scientific research methodology													
*NTU 401	English Language													
CHMTK 411	Preventive and social medicine/ Serology & vaccines													
CHMTK 412	Graduation Project													
TNT 421	Medical nutrition therapy techniques													
TNT 422	Communication skills													
TNT 423	Nutritional assessment													
TNT 424	Therapeutic nutrition of renal and CNS patients													
TNT 425	Nutritional health management													
* TNT 426	Advanced Medical nutrition													

		therapy techniques												
	* TNT 427	Therapeutic nutrition of chronic disease patients												
	* TNT 428	Antibiotics												
	* TNT 429	Food security												
	* TNT 430	Nutritional Counselling												