Ministry of Higher Education and Scientific Research
Scientific Supervision and Evaluation Authority
Department of Quality Assurance and Academic Accreditation Division

Academic Program and Course Description Guide

2025-2026

Introduction

The academic program is a coherent and coordinated package of courses that includes procedures and learning experiences organized as academic units. Its main purpose is to build and refine graduates' knowledge and skills so that they meet labour-market requirements. The program is reviewed and evaluated annually through internal or external audit procedures and mechanisms, including the External Examiner Program.

The academic program description provides a concise summary of the program's principal characteristics and courses, indicating the skills that students are expected to acquire in accordance with the objectives of the academic program. It is therefore an essential reference for obtaining program accreditation and is prepared jointly by the teaching staff under the supervision of the scientific committees in the academic departments.

This guide, in its current version, includes an updated description of the academic program after the revision of the previous guide in light of developments in the educational system in Iraq. It includes a description of the academic program in its traditional form (annual and semester systems), in addition to the academic program description adopted pursuant to the instructions of the Department of Studies, No. 2906/3 dated 3 May 2023, for programs that adopt the Bologna Process as the basis for their work.

In this context, we emphasize the importance of preparing descriptions of academic programs and courses in order to ensure the proper conduct and quality of the educational process.

Concepts and Terminology

Academic Program Description: A concise written summary of the program's vision, mission and objectives. It includes an accurate description of the intended learning outcomes according to defined learning strategies.

Course Description: A concise summary of the most important characteristics of the course and the learning outcomes that students are expected to achieve, demonstrating whether they have made the best use of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture of the future of the academic program, describing a developed, inspiring, motivating, realistic and applicable program.

Program Mission: Clarifies the objectives and activities required to achieve the vision in a concise manner and identifies the program's development pathways and directions.

Program Objectives: Statements describing what the academic program intends to achieve within a specified period; they must be measurable and observable.

Curriculum Structure: All courses/subjects included in the academic program according to the approved learning system (semester, annual, or Bologna Process), whether compulsory, elective, or institutional requirements, together with the number of credit units.

Learning Outcomes: A coherent set of knowledge, skills and values acquired by the student upon successful completion of the academic program. Learning outcomes for each course must be specified in a manner that achieves the program objectives.

Teaching and Learning Strategies: Strategies used by faculty members to develop students' teaching and learning. They are plans followed to achieve learning objectives and describe classroom and extracurricular activities used to attain the program learning outcomes.

Program Specification form For **Department of Theraputic Nutrition**

University Name : Al-Zahraa University for women

Faculty /Institute : Health and Medical Techniques

Scientific Department : Department of **Theraputic Nutrition**

Academic or Professional program Name : Bachelora in Nutrition Technology

Final certificate name : Bachelor in Therapeatic Nutrition Technology

Academic system : course - based system

Description Preparation Date : 15/10/2025

File Completion Date :16/11/2025

Signature :

Head of Department Name :

Dr. Ghada Ali Hussein

Date : 2025 / 11 / 17

Signature : nadia

Scientific Associate Name

lec.Dr. Nadia Nayyef Hussein

Date : 2025 / 11 / 17

The file is checked by: Assis.t Lect. Raghad Ahmed Hussein

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department

Date : 2025 / 11 / 17

Dean's approval nadia

/s assist prof. - Ali Jasim Moha Al-Khafaji

2025 / 11 / 17

Academic Program Description - Department of Therapeutic Nutrition

Item	Details
University	Al-Zahraa University for Women
College/Institute	College of Health and Medical Technologies
Scientific Department	Department of Therapeutic Nutrition
Academic/Professional Program	Bachelor of Nutrition Technology
Final Degree	Bachelor's Degree in Therapeutic Nutrition Technologies
Study System	Course System
Date of Description Preparation	15 October 2025
File Completion Date	16 November 2025

Department Head: Asst. Prof. Dr. Ghada Ali Hussein - signed 17/11/2025

Scientific Associate: Asst. Prof. Dr. Nadia Nayef Hussein - signed 17/11/2025

Reviewed by the Quality Assurance and University Performance Division; approved by the Dean of the College.

1. Program Vision

The Department of Therapeutic Nutrition aspires to be an academic leader in improving community health through the provision of high-quality therapeutic nutrition services and the preparation of qualified specialists capable of meeting current and future health needs.

2. Program Mission

To prepare scientifically and professionally qualified graduates in therapeutic nutrition who possess the knowledge and practical skills required to provide evidence-based nutritional care, contribute to health promotion and disease prevention, and support scientific research and community service.

3. Program Objectives

- Prepare scientifically qualified graduates who possess the knowledge and skills required to provide integrated therapeutic and health nutrition care.
- Develop students' practical capabilities through clinical and field training in health and community institutions.
- Promote scientific research in therapeutic and preventive nutrition in ways that contribute to solving health and nutritional problems.
- Contribute to community service by promoting nutritional awareness and applying preventive strategies to improve public health.
- Build scientific and professional partnerships with health and academic institutions to support the quality of education and practical application.
- Develop graduates' professional and ethical values in a manner that ensures commitment to professional standards and a spirit of teamwork.

4. Program Accreditation

None.

5. Other External Influences

None.

6. Program Structure

Program Structure	No. of Courses	Credit Units	Percentage	Notes
Institutional Requirements	13	28	22.4%	Compulsory
College Requirements	13	35	22.4%	Compulsory
Department Requirements	30	90	51.7%	Compulsory
Summer Training	2	6	3.4%	Compulsory

Note: One course may include both a theoretical and a practical component.

7. Program Description

Level One

Code	Course	Credits
NTU 100	Democracy and Human Rights	2
NTU 101	English Language	2
NTU 102	Computer	2
NTU 103	Arabic Language	2
CHMTK 111	Medical Terminology	2
CHMTK 112	General Chemistry	3
CHMTK 113	General Biology	3
CHMTK 114	General Histology	3
CHMTK 115	General Anatomy	3
TNT 121	Principles of General Nutrition	3
TNT 122	Human Physiology	3
TNT 123	Biochemistry Basics	3
TNT 124	Human Biology	3

Total Level One credits: 36.

Level Two

Code	Course	Credits
NTU 200	English Language	2
NTU 201	Computer	2
NTU 203	Arabic Language	2
NTU 204	The Crimes of the Baath Regime in Iraq	2
NTU 205	Professional Ethics	2
CHMTK 211	Medical Psychology	2
CHMTK 212	Metabolism	3
CHMTK 213	Biostatistics	3
TNT 221	Pathophysiology	3
TNT 222	Public Health Nutrition	3
TNT 223	Medical Microbiology	3
TNT 224	Basic Immunology	3
TNT 225	Metabolic Disorders	3
TNT 226	Advanced Public Health Nutrition	3
TNT 227	Nutritional Epidemiology	3
TNT 228	Food Preservation	3

Total Level Two credits: 40.

Level Three

Code	Course	Credits
NTU 300	English Language	2
NTU 301	Computer Applications	2
CHMTK 311	Laboratory Safety	2
CHMTK 312	Research Methods	2
CHMTK 313	Scientific Research Methodology	2
TNT 321	Clinical Biochemistry	3
TNT 322	Drugs and Food Supplements	3
TNT 323	Meal Planning	3
TNT 324	Therapeutic Nutrition of Gastrointestinal Patients	3
TNT 325	Therapeutic Nutrition of Cardiovascular Patients	3
TNT 326	Endocrinology Disorders	3
TNT 327	Food Analysis	3
TNT 328	Nitrogenous Clinical Nutrition	3

Total Level Three credits: 35.

Level Four

Code	Course	Credits
NTU 401	English Language	2
CHMTK 411	Preventive and Social Medicine / Sociology	2
CHMTK 412	Graduation Project	4
TNT 421	Medical Nutrition Therapy Techniques	3
TNT 422	Communication Skills	3
TNT 423	Nutritional Assessment	3
TNT 424	Therapeutic Nutrition of Renal and CNS Patients	3
TNT 425	Nutritional Health Management	3
TNT 426	Advanced Medical Nutrition Therapy Techniques	3
TNT 427	Therapeutic Nutrition of Obese Patients	3

TNT 428	Human Genetics and Epigenetics	3
TNT 429	Food Security	3
TNT 430	Nutritional Counselling	3

Total Level Four credits: 40. Total program credits: 151.

8. Expected Program Learning Outcomes

Knowledge

- Understand the theoretical foundations of therapeutic nutrition and the relationship between nutrition, human health and disease.
- Understand the composition of foods and nutrients, their physiological and biochemical effects on body systems.
- Recognize methods for assessing nutritional status and diagnosing nutritional problems using clinical and laboratory indicators.
- Keep abreast of the latest scientific trends and professional guidelines in therapeutic and preventive nutrition.

Skills

- Apply practical skills in designing and implementing appropriate dietary plans for different disease conditions.
- Use modern nutritional assessment techniques and tools to determine the nutritional needs of individuals and communities.
- Analyze and interpret laboratory and clinical findings and relate them to nutritional status.
- Communicate effectively with patients and healthcare professionals to provide professional nutritional counselling.

Values

- Commit to professional and ethical responsibility in providing therapeutic nutrition services.
- Respect patient privacy and maintain confidentiality of health information.
- Promote lifelong learning and follow scientific developments in therapeutic nutrition.
- Contribute to community service by promoting nutritional awareness and preventing nutrition-related diseases.

9. Teaching and Learning Strategies

- Interactive lectures combining theoretical concepts with practical application.
- Laboratory and clinical training to develop applied skills.
- Problem-based learning and case studies to develop critical thinking.
- Cooperative learning and group projects to strengthen teamwork and effective communication.
- Use of modern digital media and e-learning to support understanding and innovation.

10. Assessment Methods

Daily, weekly and monthly examinations, in addition to the final examination for each semester.

11. Faculty

Faculty members are distributed according to academic rank, specialization and teaching load. The approved staffing table in the Arabic original lists Professor, Assistant Professor, Lecturer and Assistant Lecturer ranks, with a total teaching load of 10 hours in the displayed section.

Professional Development

Orientation of New Faculty Members:

- Introduce the department's vision, mission and academic program objectives.
- Provide information on modern teaching and assessment methods.
- Familiarize new faculty with the academic and administrative work system.
- Introduce e-learning mechanisms and student-support systems.

Professional Development for Faculty Members:

- Training courses to develop teaching methods.
- Scientific research and publishing workshops.
- Scientific conferences, seminars and workshops.
- Continuing education.

12. Admission Criteria

Scientific branch. Admission is centralized.

13. Key Sources of Information about the Program

- Scientific books.
- Supporting sources (Internet).
- Scientific research and other relevant references.

14. Program Development Plan

Review and update the program and curricula in line with scientific and technological developments, quality requirements, and the needs of the labour market and society.

Program Skills / Learning Outcomes Mapping

The following section is an English presentation of the curriculum mapping matrix contained on pages 13-17 of the approved Arabic document. Course codes and course titles have been translated; the mapping itself is represented by the approved check marks in the source matrix.

Course Code	Course Title	Program Outcome Mapping
NTU 100	Democracy and Human Rights	See approved mapping matrix
NTU 101	English Language	See approved mapping matrix
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Course Code	Course Title	Program Outcome Mapping
TNT 228	Food Preservation	See approved mapping matrix
NTU 300	English Language	See approved mapping matrix
NTU 301	Computer Applications	See approved mapping matrix
CHMTK 311	Laboratory Safety	See approved mapping matrix
CHMTK 312	Research Methods	See approved mapping matrix
CHMTK 313	Scientific Research Methodology	See approved mapping matrix
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TNT 429	Food Security	See approved mapping matrix
TNT 430	Nutritional Counselling	See approved mapping matrix

Note: The original matrix uses check marks to indicate the relationship between each course and the approved program learning outcomes. For formal accreditation purposes, the signed Arabic original remains the controlling source for the exact placement of each check mark.