

Republic of Iraq  
Ministry of Higher Education & Scientific Research  
Supervision and Scientific Evaluation Directorate  
Quality Assurance and Academic Accreditation  
International Accreditation Dept.

## Academic Program Specification Form For The Academic Year 2022 - 2023

University: Al-Noor University College  
College : Al-Noor University College / Pharmacy Dept.  
Date Of Form Completion : 15 / 9 / 2022

Dean's Name

Date : 4 / 11 / 2022

  
Signature

S. K. Abdullahi  
Dean's Assistant For

Scientific Affairs  
Prof. Dr. Samir K. Abdullahi

Date : 3 / 11 / 2022

Signature



Head of the department

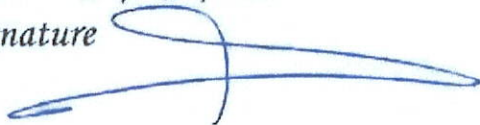
Date : 3 / 11 / 2022

Signature

Quality Assurance And University Performance Manager

Date : 15 / 8 / 2022

Signature



# TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

## PROGRAMME SPECIFICATION

This programme Specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It is supported by a specification for each course that contributes to the programme.

١. Teaching Institution	Al-Noor University College
٢. University Department/Centre	Pharmacy
٣. Programme Title	Practical Clinical Chemistry
٤. Title of Final Award	B.Sc. Pharmacy
٥. Modes of Attendance offered	Courses
٦. Accreditation	
٧. Other external influences	
٨. Date of production/revision of this specification	١st September ٢٠٢٢
٩. Aims of the Programme	
Practical training for the students, who are in the fifth stage, to conduct advanced laboratory analyzes in the field of clinical chemistry, by knowing the types of specimens taken from the human body and choosing the optimal specimens that helps in understanding and diagnosing the pathological condition or following the patient during his treatment or early detection of diseases in the community	

members in order to avoid transitional or genetic diseases to take appropriate medical measures. Thus, the graduated pharmacist has the ability to work in clinical analytical laboratories with high efficiency and mastery of practical laboratory applications.



## 10. Learning Outcomes, Teaching, Learning and Assessment Methods

### A. Knowledge and Understanding

A<sup>1</sup>- Knowing the types of laboratory specimens taken from the human body that are suitable for conducting the laboratory clinical examinations

A<sup>2</sup>- Knowing how to choose the best human specimens for laboratory testing

A<sup>3</sup>- Knowing how to take, preserve and deal with the human specimens under examination

A<sup>4</sup>- Knowledge of the necessary equipment for each laboratory examination of the specimens

A<sup>5</sup>- Knowing the causes and obstacles of accuracy in obtaining real results

### B. Subject-specific skills

B<sup>1</sup> - Good handling of diagnostic kits in terms of storage and preparation for the relevant examinations.

B<sup>2</sup>- Careful to prepare the equipment used in the examination in terms of their keeping or accuracy when used.

B<sup>3</sup> - Emphasis on writing the results in a clear and sequential manner and using the appropriate units for each examination.

B<sup>ε</sup> - Emphasis on the mention of the normal ranges for each examination accompanying the results of that examination.

#### Teaching and Learning Methods

١. The method of attendance lectures..
٢. The method of laboratory practical application for each subject.
٣. Induction and measurement method
٤. Cooperative learning method
٥. Brainstorming method.

#### Assessment methods

١. Daily and monthly exams and at the end of the course.
٢. Evaluation of the reports assigned to students at the end of each laboratory.
٣. Direct discussions with the lecturer and students.

#### C. Thinking Skills

- C<sup>١</sup> - Emphasis on students' accuracy in work
- C<sup>٢</sup> - Charging students to take care of laboratory equipment and the rest of the supplies
- C<sup>٣</sup> - To strive with all energy to provide the largest number of laboratory tests.

#### Teaching and Learning Methods

١. The method of attendance lectures..
٢. The method of laboratory practical application for each subject.
٣. Induction and measurement method
٤. Cooperative learning method
٥. Brainstorming method.

#### Assessment methods

١. Daily and monthly exams and the end of the course
٢. Evaluation of the reports assigned to students at the end of each laboratory
٣. Direct discussions with the lecturer and students.

D. General and Transferable Skills (other skills relevant to employability and personal development) Qualifies the student to be a pharmacist capable of:

- D١- To practice his profession in clinical laboratory analyses.
- D٢- To perform his professional duties towards patients with high efficiency.
- D ٣- Writing the results clearly and in an integrated manner.
- D٤ - To meet the needs of the medical staff for clinical chemical analytical tests.

#### Teaching and Learning Methods

١. The method of attendance lectures..
٢. The method of laboratory practical application for each subject.
٣. Induction and measurement method
٤. Cooperative learning method

o. Brainstorming method.

### Assessment Methods

١. Daily and monthly exams and the end of the course
٢. Evaluation of the reports assigned to students at the end of each laboratory
٣. Direct discussions with the lecturer and students.

### ١١. Programme Structure

Level/Year	Course or Module Code	Course or Module Title	Credit rating	١٢. Awards and Credits
Fifths year		Practical clinical chemistry		Bachelor Degree Requires ( x ) credits

### ١٣. Personal Development Planning

Comparing the current course with the corresponding courses of other Iraqi and international colleges of pharmacy, especially in universities with a high international standard.

١٤. Admission criteria .

Follows the standard set by the Iraqi Ministry of Higher Education and Scientific Research

١٥. Key sources of information about the programme

١. The many books specialized in the field of practical clinical chemistry
٢. Online publications in this specialty
٣. Bulletins accompanying the diagnostic kit.

