

## SYNTHETIC PROGRAM

1. Module identification code.	
Name of the institution:	Universidad Autónoma de Nuevo León
Name of the school:	School of Medicine
Name of the degree program:	Clinical Chemistry
Name of the course (learning unit):	Professional job performance seminar
Total number of class hours-theory and practice:	60
Class hours per week:	2
Independent study:	0
Course modality:	Face-to-face instruction
Module level:	Tenth semester
Core/elective module:	Core
Curriculum area:	ACFP-I
UANL credit points:	2
Create date:	January 8 <sup>th</sup> , 2022

Date of last amendment made:	<b>January 22<sup>nd</sup>, 2024</b>
Person(s) responsible for the design and amendment of the module:	<b>Ph.D. María de Lourdes Garza Rodríguez</b> <b>Ph.D. Diana Cristina Pérez Ibave</b> <b>Clinical chemist: María del Rosario Salazar Riojas</b> <b>Ph.D. Diana Raquel Rodríguez Rodríguez</b>

## 2. Purpose:

The purpose of this module is to prepare future graduates in an inter, multi and transdisciplinary way to face the challenges of their integration into the labor field by the best global practices since they will know sufficient information about the documentary requirements and procedural aspects that must be covered to carry out the qualification process, carry out a comprehensive job interview, the importance of the title of your profession, the procedures to obtain the professional license, the skills that allow you to practice your profession, the labor and economic advantages that their profession gives them and the tools to prepare a professional curriculum vitae, as well as to write a thesis with a focus on the clinical laboratory or research, which will allow the graduate to prepare an inter, multi and transdisciplinary academic and professional proposal. promoting and consolidating collaborative work.

This module includes aspects of labor, tax rights and obligations established in the corresponding regulations. The knowledge acquired allows the future graduate to integrate into the local, national, and international context with respect for the diversity of social and cultural practices, by approaching recruiters from the profession's labor market through conferences, interviews, and visits to companies or organizations related to the profession.

In this module, the student will prepare a scientific document that supports a selected research topic related to the clinical or research laboratory with strict theoretical and methodological rigor, which will allow the graduate to reaffirm the importance of analytical results that impact patients, or methodological processes, quality control, laboratory policies, among other topics that help raise awareness in future graduates to assume their leadership committed to social and professional needs to promote pertinent social change. The clinical chemist student will write documents from his/her resume in English and Spanish, and finally, as an integrative product of learning, to demonstrate his/her research capacity, the student will create a digital document of the thesis carried out on a topic in one of the fields.

This module contributes to the development of general skills that the student will require in different areas of their life. Prepare inter-, multi-, and transdisciplinary academic and professional proposals by the best global practices to promote and consolidate collaborative work. Maintains an attitude of commitment and respect towards the diversity of social and cultural practices that reaffirm the principle of integration in the local, national, and international context to promote environments of peaceful coexistence. The future clinical chemist graduate assumes leadership committed to social and professional needs to promote relevant social change.

The graduate student from the clinical chemistry degree guarantees the reliability of the analytical results obtained by applying quality control guidelines as established by laboratory policies for correct decision making. I

### 3. Competences of the graduate profile

#### **General competences to which this module (learning unit) contributes:**

##### *Instrumental skills:*

7. To develop inter, multi and transdisciplinary academic and professional proposals in accordance with the best global practices to promote and consolidate collaborative work.

##### *Personal and social interaction skills:*

9. To maintain an attitude of commitment and respect towards the diversity of social and cultural practices that reaffirm the principle of integration in the local, national and international context to promote environments of peaceful coexistence.

##### *Integrative skills:*

13. To assume leadership roles committed to social and professional needs to promote relevant social change.

#### **Specific competences of the graduate profile to which this module (learning unit) contributes:**

2. To execute physical, chemical and/or biological procedures in the collection, handling, storage and analysis of samples to contribute to a reliable clinical, toxicological, chemical, food, forensic and environmental diagnosis.

#### 4. Factors to consider for evaluating the learning unit

- Evidences.
- Accredited activities.
- Course integrative project/product.

#### 5. Course integrative project/product (CIP):

The integrative learning product consists of presenting in Word format the research work carried out on a topic in one of the fields of the clinical or research laboratory with the approval of the professor who served as advisor and the professor in charge of the Learning Unit

#### 6. References:

Book: Metodología de la Investigación: Roberto Hernández-Sampieri.

Web page: Titulación. Químico Clínico Biólogo. <http://www.medicina.uanl.mx/alumnos/qcb/titulacion/>

Book: Ética y excelencia en el Laboratorio de Análisis Clínicos: el paciente en el centro. Lic. María E. Suardíaz Espinosa (<http://www.cbioetica.org/revista/101/101-1720.pdf>).

Web page: <https://www.itson.mx/micrositios/titulacion/Documents/manual-de-titulacion-licenciatura-2009.pdf>

Book: Chávez; Bustos, A; Infante & Benavides, B. (2015). Ética, sociedad y profesión. México: Patria

Web page: Ley federal del trabajo comentado (vigente), en [www.diputados.gob.mx](http://www.diputados.gob.mx) > Leyes Federales de México

Web page: Código fiscal de la federación (actualizado), en [//www.diputados.gob.mx/LeyesBiblio/pdf/8\\_241218.pdf](http://www.diputados.gob.mx/LeyesBiblio/pdf/8_241218.pdf)

Book: Essentials of Writing Biomedical Research Papers. Second Edition. Mimi Zeiger.

Web page: -Guía de Carrera. Cómo hacer el currículum perfecto. Lecciones de más de 300,000 aplicaciones exitosas. Collective Academy.

-Cómo te vendes te contratan Jorge Munain Gómez

Web page: Webcast "How to write a great CV for academy and industry. <https://www.nature.com/articles/d41586-021-00520-2>



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