

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):	Research internships
Total number of class hours-theory and practice:	460
Class hours per week:	2 hours
Independent study:	200
Course modality:	Face-to-face instruction
Module level:	Tenth semester
Core/elective module:	Core
Curriculum area:	ACFP-I
UANL credit points:	22
Create date:	December 6 th , 2019
Date of last amendment made:	January 1 st , 2022
Person(s) responsible for the design and amendment of the module:	Dr. E. Jorge M. Llaca Díaz.

2. Purpose:

The purpose of this Learning Unit is to contribute to achieving the profile of the graduate by developing the necessary competencies to skillfully and adeptly apply the scientific method, thus supporting the generation of knowledge and the resolution of problems in their professional field.

Regarding general competencies, the student will be able to manage specialized information technologies in their area of research, as well as use communication as a tool for accessing information, transforming it into scientific knowledge with a critical attitude, and demonstrating human, academic, and professional commitment, while assuming leadership that responds to social and professional needs.

In Research Stays, the student acquires specific competencies that allow them to incorporate new analytical methodologies, demonstrating research capability in a concrete proposal, where reflective capacity, reading, writing, and expression come together, thereby contributing to their professional practice to improve procedures and processes.

Research Stays integrates the competencies acquired in Research Seminar I and Research Seminar II, which provide the fundamental bases for the development of this learning unit, where a thesis is proposed, analyzed, verified, and concluded through a research process in accordance with a bachelor's thesis.

3. Competences of the graduate profile

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

Instrumental skills:

3. To manage Digital Information, Communication, Knowledge and Learning Technologies (TICCAD), in academic, personal and professional environments with cutting-edge techniques that allow their constructive and collaborative participation in society.

Personal and social interaction skills:

10. To intervene in the face of the challenges of contemporary society at the local and global level with a critical attitude and human, academic and professional commitment to contribute to consolidating general well-being and sustainable development.

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:

5. To incorporate new analytical methodology that contributes to the functional, economic and/or environmental improvement of laboratory processes to respond to needs in health areas.

4. Factors to consider for evaluating the learning unit

- Evidences.
- Thesis presentation seminar
- Research results
- Course integrative project/product

5. Course integrative project/product:

Oral and written presentation of the thesis conducted on a topic in one of the fields related to Clinical Chemistry.

6. References:

Schmelkes, C., & Schmelkes, N. E. (2012). Manual para la presentación de anteproyectos e informes de investigación (tesis). Ciudad de México: editorial Oxford.

<https://www.dgb.uanl.mx/bibliotecas/burrrf/servicios/documentos/manualdeestiloparapresentaciondetesisuanl.pdf>