

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 8th, 2022
Date of last amendment made:	January 22nd, 2024
Person(s) responsible for the design and amendment of the module:	Ph.D. María de Lourdes Garza Rodríguez

	<p>Ph.D. Diana Cristina Pérez Ibave</p> <p>Clinical chemist: María del Rosario Salazar Riojas</p> <p>Ph.D. Diana Raquel Rodríguez Rodríguez</p>
--	--

2. Presentation:

This module (Learning Unit) is developed in two phases the clinical chemist student's preparation for integration in the labor market (the job interview and the curriculum vitae are integrated), and the improvement of the scientific writing skills and presenting research project results.

- In the first phase, the student supports a selected research topic related to the clinical laboratory with strict theoretical and methodological rigor.
- In the second phase, the student prepares his or her resume (in English and Spanish) and develops skills to conduct a professional job interview.

Finally, the course integrative project/product (CIP) consists of written research work carried out on a topic in one of the fields of the clinical or research laboratory. The work will be presented in digital format.

3. 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

4. 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.

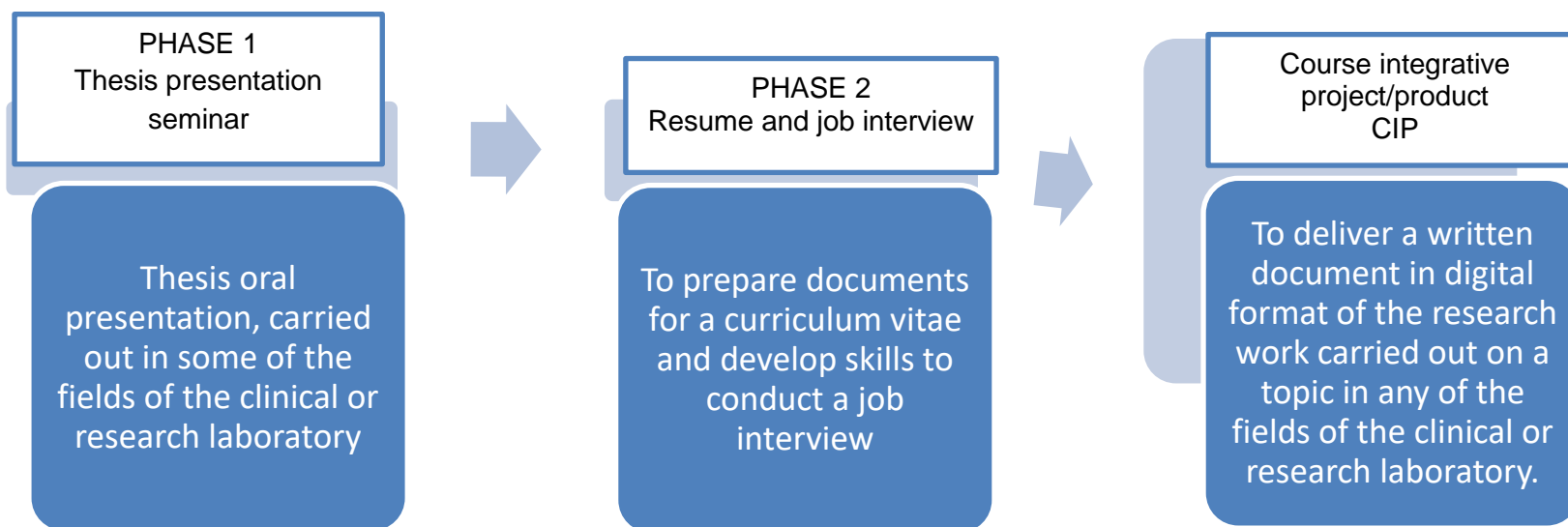
Integrative skills:

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.

5. Course roadmap:



6. Structuring into stages or phases:

Phase 1: Thesis presentation seminar.

Component(s) of the competence:

To present the research activities proposed and developed, in accordance with the stated objectives, to ensure the optimal development and/or improvement of processes related to your thesis.

Evidence of student learning	Performance criteria	Learning activities	Content	Resources
1. Oral presentation of the thesis	<p>Presentation:</p> <p>Emphasizes the objectives, methodology and results of the thesis.</p> <p>Conducts the thesis individually and in accordance with the schedule set by the professor.</p> <p>Seminar.</p> <ul style="list-style-type: none"> - Makes a Power Point presentation with the proposed title for the thesis. - Gives an oral presentation for a 	<p>The student design the Power Point presentation of the research project and delivers it in digital format by email to the professor at the learning unit and offers feedback.</p> <p>The student presents the seminar individually, in person using a Power Point presentation, highlighting the most relevant aspects of the topic.</p> <p>At the end of the presentation, the student answers questions from classmates and professors present.</p> <p>The professor of the Learning Unit intervenes by coordinating</p>	<p>The Power Point presentation must include:</p> <ol style="list-style-type: none"> 1- Title. 2- Introduction. 3- Background. 4- Justification. 5- General objective. 6- Material and methods. 7- Results 8- Discussion 9- Conclusions 10. Bibliography in APA format 	<p>Computer with Microsoft Office and Internet connection.</p> <p>Free-use electronic presentation prepared by the student.</p> <p>Readings:</p> <p>Schmelkes, C., & Schmelkes, N. E. (2012). Chapters 3 to 7.</p> <p>Style manual for the presentation of UANL theses</p> <p>PubMed Web page.</p>

Evidence of student learning	Performance criteria	Learning activities	Content	Resources
	maximum of 10 minutes in person. - Wears formal attire for the presentation. Responds to questions from attendees in person. - Submits the Power Point presentation.	the presentations of the seminars.	It must integrate all the information in a didactic way for the attendee.	

Phase 2: Preparation of a professional *Curriculum Vitae* (CV) and job interview.

Competence element(s):

Know the elements that write a professional resume in English and Spanish, as well as develop skills to conduct a job interview.

Evidence of student learning	Performance criteria	Learning activities	Content	Resources
1. Writing a CV in English and Spanish and attend a job interview.	The document is prepared individually and according to the schedule set by the teacher. - Create a Word document choosing	- The thesis director provides a Word template for preparing a CV in English and Spanish. - The course teachers explain the topic of the job interview. - The course teachers provide the student with templates for	1- Basic elements to redact a resume. 2- Types of resumes. 3- General recommendations for CVs.	Computer equipment with Microsoft Office and internet connection. MS Teams platform

Evidence of student learning	Performance criteria	Learning activities	Content	Resources
	<p>one of the templates suggested by the teachers for preparing the CV in English and Spanish.</p> <ul style="list-style-type: none"> - Upload the CV documents in English and Spanish to the MS Teams platform. - Answer the job interview questions in person with one of the course teachers. 	<p>preparing CVs in Spanish and English.</p> <ul style="list-style-type: none"> - The Learning Unit teachers review and evaluate the CV documents and the Job Interview Quiz. - The students prepares Word documents of their resume in English and Spanish, both files must be uploaded to the MS Teams platform and sent by email. The learning unit teachers will provide feedback <p>2.1 Weighted activity: The student attends a job interview in person with one of the course teachers.</p>	<p>4- Writing a personalized CV in English and Spanish.</p> <p>5- Feedback from the professors and correction of the CV.</p> <p>6- Elements of a professional job interview by UA professors.</p>	<p>Sending a Word document of the CV in English and Spanish.</p> <p>Readings:</p> <ul style="list-style-type: none"> -Career Guide. How to make the perfect resume. Lessons from more than 300,000 successful applications. Collective Academy. -How you sell yourself gets you hired. Jorge Munain Gómez -Webcast "How to write a great CV for academy and industry. https://www.Nature.com/articles/d41586-021-00520-2

7. Summative evaluation:

Assessment scheme for the Learning Unit broken down by Phases and Evidence of Learning:

Phase	Evidence	Weighing
Phase 1	Evidence 1: Oral presentation of the thesis	25 %
Phase 2	Evidence 2: Resume in English and Spanish	35 %
Phase 2	Accredited activity: Job interview.	15 %
CIP	Thesis Word document	25 %
	Total	100 %

8. 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

9. 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 › 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>