

SUMMARY PROGRAM)

1. Module Information Code:	
• Name of the Institution and School	Universidad Autónoma de Nuevo León, Facultad de Medicina.
• Name of the Learning Unit	Medical Sciences I
• Total classroom hours for theory and/or practice.	400 hours
• Total extra classroom hours	320 hours
• Course Modality	Schooled
• Type of academic period in which the module is offered	7th Semester
• Type of Learning Unit in the Curriculum	Compulsory
• Curriculum area:	ACFP-I
• UANL credit points	24
• Date of module creation:	April 10, 2015
• Date of last amendment:	January 27, 2021
• Person(s) responsible for the module design and amendments:	Dr. med. Homero Nañez Terreros. Dr. Abraham Vázquez García. Dr. Pedro Alberto García Hernández.
2. Purpose(s)	
This Learning Unit trains the undergraduate student with respect to the integral care of the adult, with emphasis on the diagnosis and treatment of pathologies related to Endocrinology, Gastroenterology, Hematology and Nutrition, therefore, contributes to the profile of graduation in the formation of a physician who solves the main health problems of the first level of care of the individual and the community by acquiring the capacity to	

integrate the information of the clinical history, the laboratory findings and the scientific evidence available to prevent and establish the diagnosis and timely management of the most prevalent diseases.

Its curricular relationship presupposes the knowledge of the structure and function of the human body through the study of Anatomy, Physiology, Histology, Embryology, Microbiology, Biochemistry and Molecular Biology, Clinical Pathology and Imaging, with the purpose of using such information in the integral evaluation of a patient, through the correct elaboration of an intentional clinical history and physical examination, together with the interpretation of laboratory and imaging studies. It also requires the knowledge of Pharmacology and Toxicology that allows the correct selection of the treatment, taking into account their interactions. Furthermore, it is related to all the Learning Units of the Clinical Area, as well as to Bioethics.

With respect to the general competencies of the University, this Learning Unit responds in the use of formal language, the correct use of language; the use of logical and critical thinking that allows it to make decisions within its sphere of influence; handling of computer tools; and it favors autonomous learning, which will allow it to consolidate its medical training. As for the specific competences of the profession, it contributes in the scientific knowledge and its applicability through the clinic, solving the health problems of the first level of attention and referring in a timely manner to other specialists. It also promotes effective communication with patients, their families and other professionals, in addition to knowing how to work in a multidisciplinary team and always practicing medical ethics, respect, confidentiality and social commitment.

3. Competences of the graduate profile

a. General competences contributing to this learning unit.

Instrumental skills:

1. Apply autonomous learning strategies in the different levels and fields of knowledge that allow them make appropriate and relevant decisions in the personal, academic and professional fields.
2. Use the logical, formal, mathematical, iconic, verbal and non-verbal languages according to their stage of life, in order to understand, interpret and express ideas, feelings, theories and streams of thinking with an ecumenical focus.
3. Use the information and communication technologies as access tools to information and its transformation in knowledge, as well as for learning and collaborative work with cutting-edge techniques that allow its constructive participation in society.
4. Dominate their native language in oral and written form with correctness, relevancy, opportunity and ethics adapting its message to the situation or context, in order to transmit of ideas and scientific findings.
5. Employ logical, critical, creative and proactive thinking to analyze natural and social phenomena that let them make relevant decisions in its area of influence with social responsibility.
6. Use a second language, English in particular, with clarity and correctness to communicate in common, academic, professional and

scientific contexts.

7. Develop inter, multi and transdisciplinary academic and professional proposals according to the best global practices to promote and consolidate the collaborative work.

8. Use methods and techniques of traditional and cutting-edge research for the development of their academic work, the practice of their profession and the generation of knowledge.

Personal and social interaction skills:

9. 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 with the purpose of promoting environments of peaceful coexistence.

10. Intervene in front of the challenges of contemporary society at the local and global level with a critical attitude and human, academic and professional commitment to help consolidate the general wellness and sustainable development.

11. Practice the values promoted by the UANL: truth, equality, honesty, liberty, solidarity, respect for life and anyone's, peace, respect for nature, integrity, ethics behavior and justice, within their personal and professional environment in order to make a sustainable society.

Integrative skills:

12. Make innovative proposals based on the holistic understanding of reality to help overcome the challenges of the interdependent global environment.

13. Take the lead according to social and professional needs to promote relevant social change.

14. Resolve personal and social conflicts in accordance with specific techniques in the academic field and their profession for the proper decision making.

15. Achieve the adaptability required in uncertain professional and social environments of our time to improve living conditions.

b. Specific competences of the graduate profile that contributes to the learning unit

Specific competencies of the Bachelor of Science in Surgery and Midwifery

Scientific Basis of Medicine

1.- Use the medicine scientific fundamentals considering economical, psychological, social, cultural and environmental factors which contribute to the development and evolution of a disease for decision-making and medical actions.

Professional Clinical Practice

2.- Solves clinical problems through deductive reasoning, interpretation of findings and definition of their nature with the aim of making decisions and determine action principles of the medical practice to follow in a responsible way, impacting individual and collective health.

3.- Evaluate the development and evolution of the disease through the analysis of biomedical information and related physical, social and cultural factors, promoting health education and encouraging preventive medicine.

4.- To appropriately manage patients with the most frequent diseases, from a biopsychosocial perspective, through the application of knowledge, technical procedures and basic diagnostics, based on clinical guidelines and care protocols, to solve the main health problems of the first level of care of the individual and the community.

5.- Manage common medical emergencies, applying treatment, procedures and minor interventions and referring in an appropriate and timely manner patients who require critical care for the preservation of life.

6.- Manage human resources, diagnostic interventions, therapeutic modalities and health care options according to national standards, promoting a culture of quality care and ensuring patient safety.

Critical Thinking and Research

7.- Applies the scientific method for the resolution of medical problems with an innovative, analytic and self-critical attitude for preventing, diagnosing and treating diseases.

Professional Values and Ethics

8.- Integrates professional values and ethics into his medical practice, making no difference due to gender, race, political or sexual preference, religious beliefs, activities developed, disabilities or socioeconomic level, promoting social inclusion and contributing to the population's well-being, their life quality and human development.

9.- Respects the patient's integrity keeping the patient's medical information as an essential part of their professional secret in order to preserve his rights.

Organizational Work

10.- Promotes an organizational work culture for the health field, acknowledging the multidisciplinary work, respect for institutional policies and the observance of rules in order to contribute to a comprehensive treatment of patients.

Comunicaction

11.- Applies effective communication principles, establishing a respectful and sympathetic relationship with the patient, relatives, the community and other health professionals in order to use the information properly.

4. Summative Evaluation

- Exam
- Plataform's Activities
- Talk
- Consult assistance
- Course Integrative Product

5. Course Integrative Product

Portfolio in which all the above mentioned evidences are presented in time and form requested.

