

SUMMARY PROGRAM.

1. Identification Data:	
• Name of the institution, department, and academic program:	Universidad Autónoma de Nuevo León. School of Medicine. Medical Surgeon and Midwifery
• Name of the learning unit:	Medical Therapeutics
• Hours classroom - theory and/or practice, total:	40
• Frequency:	2
• Total out-of-class hours:	80
• Modality:	Face-to-face
• Type of academic period:	Semester-based
• Type of learning unit:	Mandatory
• Curriculum area:	ACFP-I
• UANL credits:	4
• Date of preparation:	10/02/2017
• Date of last update:	25-07-2024
• Responsible party/parties for the design:	Dr. med. Luis Adrián Rendón Pérez Dra. Olga Graciela Cantú Rodríguez Dr. Pedro Alberto García Hernández Dr. med. Fernando A. Mata Ávalos <u>Dra. med. Lucía Leal Villarreal</u>
2. Purposes(s):	
The purpose of this Learning Unit is to train undergraduate students in medical therapeutics for adults, with an emphasis on the most important and common diseases in the community. In addition to making a correct diagnosis, students must become familiar with the appropriate and timely treatment of the primary health problems in the first level of medical care, in accordance with the graduate profile of the Medical Surgeon and Midwifery degree. This Learning Unit complements all clinical learning units in the degree program. Its curricular relationship presupposes knowledge of human body structure and function through the study of Anatomy, Physiology, Histology, Embryology, Microbiology, Biochemistry and Molecular Biology, Pharmacology and Toxicology, Clinical Pathology and Imaging, and Bioethics. It should integrate the medical history and accurate diagnosis to use that information in the final evaluation of a patient and correctly select the treatment with medications, using the correct dosage while considering interactions and contraindications.	
3. Outline the competencies of the graduate profile	
a. Competencies contributed by this learning unit. Instrumental Competencies: 1. Apply self-learning strategies to establish therapeutic plans in the first level of care that will allow graduates to make timely and relevant therapeutic decisions in personal, academic, and professional contexts. For the proper and timely treatment of the patient, referring the patient to a specialist when necessary.	

2. Use logical, formal, mathematical, iconic, verbal, and non-verbal languages according to the life stage to understand, interpret, and express ideas, feelings, theories, and schools of thought with an ecumenical approach.
3. Manage information and communication technologies as tools for accessing information and transforming it into knowledge, as well as for learning and collaborative work with cutting-edge techniques that allow constructive participation in society.
4. Master the native language in oral and written form with correctness, relevance, timeliness, and ethics, adapting the message to the situation or context to convey ideas and scientific findings.
5. Employ logical, critical, creative, and proactive thinking to analyze natural and social phenomena, allowing for relevant decision-making in their sphere of influence with social responsibility.
6. Use a second language, preferably English, clearly and correctly to communicate in everyday, academic, professional, and scientific contexts.
7. Develop academic and professional interdisciplinary, multidisciplinary, and transdisciplinary proposals based on the best global practices to promote and consolidate collaborative work.
8. Use traditional and cutting-edge research methods and techniques for the development of academic work, professional practice, and knowledge generation.

Personal and Social Interaction Competencies:

9. Maintain an attitude of commitment and respect towards the diversity of social and cultural practices that reaffirm the principle of integration, both locally and globally, to promote peaceful coexistence.
10. Intervene in the face of the challenges of contemporary society, locally and globally, with a critical attitude and human, academic, and professional commitment to contribute to consolidating general well-being and sustainable development.
11. Practice the values promoted by the UANL: truth, equity, honesty, freedom, solidarity, respect for life and others, respect for nature, integrity, professional ethics, justice, and responsibility, in both personal and professional contexts to contribute to building a sustainable society.

Integrative Competencies:

12. Build innovative proposals based on a holistic understanding of reality to contribute to overcoming the challenges of the interdependent global environment.
13. Take on leadership roles committed to social and professional needs to promote relevant social change.
14. Resolve personal and social conflicts using specific techniques in the academic and professional spheres for appropriate decision-making..
15. Achieve the adaptability required by the social and professional environments of uncertainty in our time to create better living conditions..

b. Specific Competencies of the Graduate Profile Addressed by the Learning Unit

Specific Competencies of the Medical Surgeon and Midwifery Degree

Scientific Basis of Medicine

- 1.- Employ the scientific foundations of medicine, considering economic, psychological, social, cultural, and environmental factors that contribute to the development and progression of diseases, to inform decision-making and medical actions.

Professional Clinical Practice

- 2.- Solve clinical problems through deductive reasoning, interpretation of findings, and determination of their nature, in order to make decisions and define principles of medical practice responsibly, with an impact on individual and collective health.
- 3.- Evaluate the development and progression of diseases by analyzing biomedical information and related physical, social, and cultural factors, promoting health education and preventive medicine.
- 4.- Appropriately manage patients with the most common diseases from a biopsychosocial perspective by applying knowledge, basic technical and diagnostic procedures, and adhering to clinical guidelines and care protocols to address primary health problems at the first level of care for individuals and the community.
- 5.- Administer human resources, diagnostic interventions, therapeutic modalities, and healthcare options according to national standards, fostering a culture of quality in care and ensuring patient safety.

Critical Thinking and Research

7.- Apply the scientific method to solve medical problems with an innovative, analytical, and self-critical attitude in the prevention, diagnosis, and treatment of diseases.

Professional Values and Ethics

8.- Integrate professional values and ethics into medical practice, without discrimination based on gender, race, political or sexual preferences, religious beliefs, professional activities, disabilities, or socioeconomic status, promoting social inclusion and contributing to the population's well-being, quality of life, and human development.

9.- Respect patient integrity by safeguarding their medical information as a fundamental part of professional confidentiality, ensuring the protection of their rights.

Organizational Work

10.- Promote a culture of organizational work in healthcare by recognizing multidisciplinary collaboration, respecting institutional policies, and adhering to regulations, to contribute to the comprehensive treatment of patients.

Communication

11.- Apply the principles of effective communication to establish respectful and empathetic relationships with patients, their families, the community, and other healthcare professionals, ensuring the appropriate use of information.

4. Summative Evaluation

- Platform activities
- Exam
- Integrated Learning Product

5. Integrated Learning Product for the Learning Unit

Portfolio of Evidence: Includes 15 clinical history reports covering General Topics and the 14 Internal Medicine specialties, submitted via the Moodle platform.

6. Support and Reference Sources (Bibliography, Journals, Electronic Resources).**Bibliography.**

- CECIL TEXTBOOK OF MEDICINE, Goldman/Cooney, 27th Edition, 2023. Ed. Elsevier.
- **Consultation Bibliography:**
- Papadakis, McPhee. Current Medical Diagnosis & Treatment. 2020.edición. McGrawHill 2020.
- Bhat, Dretler, Gdowski. Manual Washinton de Terapéutica Médica. 35ª.edición. Wolters Kluwer. 2017, España.
- https://dof.gob.mx/nota_detalle.php?codigo=4864792&fecha=04/02/1998#gsc.tab=0

