

SUMMARY PROGRAM).

1. Module Information Code	
• Name of the Institution and School	Universidad Autónoma de Nuevo León, School of Medicine.
• Name of the Learning Unit	Epidemiology and Public Health
• Total classroom hours for theory and/or practice.	79 hours
• <u>Total extra classroom hours</u>	161 hours
• Course Modality	Schooled
• <u>Type of academic period in which the module is offered</u>	8th Semester
• <u>Type of Learning Unit in the Curriculum</u>	Compulsory
• Curriculum area:	ACFP-I
• <u>UANL credit points</u>	8
• Date of module creation:	September 20, 2014
• <u>Date of last amendment:</u>	January 14, 2021
• Person(s) responsible for the module design and amendments:	Dr. Raúl Gabino Salazar Montalvo Dr. José H. Fabela Rodríguez Dra. Hilda Cristina Ochoa Bayona Dra. Graciela Irma Martínez Tamez Dra. Adriana Perla López Cárdenas Dra. Lidia Mendoza Flores
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2. Purpose(s)

The purpose of the learning unit of Public Health and Epidemiology is to analyze the current health situation, the main diseases at a national and international level, as well as to identify and use the prevention-control measures that apply to the different health problems, this at a community and hospital level. It contributes to achieving the profile of graduation in the domains corresponding to Communication and Critical Thinking and Research, by developing the necessary skills to analyze the trend and control of events related to health and disease in a population, through its description, the determination of its variation, the establishment of relationships between the processes that affect it, as well as prevention and control actions. It is related to the Learning Units of Preventive Medicine, Biostatistics, Research Methodology in Health Sciences, Microbiology, Propaedeutics, Clinical Pathology, Medical Sciences, Family Medicine, Pediatrics and Gynecology and Obstetrics.

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.
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.
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

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.

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

Scientific Basis of Medicine

- 1.- Use the medicine scientific fundaments 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.- Manages properly patients with the most frequent diseases from a biopsychosocial perspective, through the application of knowledge, technical procedures and basic diagnostic, based on clinical guides and attention protocols in order to solve the main health problems from the Primary Health Care level from individuals and the community.

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

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.

Communication

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

- Mark Lalonde's schema
- Poster
- Scheme
- Resolution of exercises
- Documentary research
- Resolution of workbook exercises.
- Epidemiological Surveillance in the Hospital
- Exam
- Course Integrative Product

5. Course Integrative Product:

Integrates the diagnosis of health of a community, using demographic data, natural history of disease, which includes epidemiological triad and levels of prevention, in addition to indicating the behavior to the disease assigned on its epidemiological report and actions between the case.

6. Resources

Textbook

Manual de Salud Pública y Epidemiología. Quinta Edición. Departamento de Medicina Preventiva y Salud Pública. 2015 Imprenta Universitaria

Reference books

Alvarez-Kuri Morales (2013) Salud Pública y Medicina Preventiva. 4 ed. Manual moderno Cap. 4 pp. 25-33, México.

El Control de Enfermedades Transmisibles Organización Panamericana de la Salud. 19^a Edición. 2011

Tapia Conyer R, (2006) Manual de Salud Pública. Segunda Edición. Intersistemas, México.

Villa Romero A, Moreno Altamirano L, García de la Torre G, (2012) Epidemiología y estadística en salud Pública, Mc. Graw Hill, México.

Gordis León, (2009) Epidemiología 3^a edición, Elsevier Saunders, España

Magazine Articles

Instructivo para el llenado del Certificado de Defunción Secretaria de Salud.

Moreno Altamirano. 2000/Jul/04, Principales Medidas en Epidemiología, Revista de Salud Pública de México. Vol. 42 No. 04.pag 337-348

Electronic resources

<http://www.ssa.gob.mx>. Programa Nacional de Salud

<http://www.inegi.org.mx> Censos de Población

<http://www.dgepi.gob.mx> Principales causas de morbilidad y mortalidad en México y Nuevo León. dgepi.gob.mx

<http://www.salud.gob.mx/unidades/cdi/nomssa.html>

<http://www.who.int.com> Organización Mundial de la Salud.

<http://www.cdc.gov.com> Centro de Enfermedades transmisibles.

<http://www.cenaprese.salud.gob.mx> Centro Nacional de programas preventivos y control de Enfermedades (CENAPRESE)

