UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Public Health and Health Management

2627-3-I0301D015

Aims

Knowledge and Understanding
The Integrated Course in “Public Health and Healthcare Management” provides students with knowledge and understanding of the fundamental principles of clinical epidemiology and evidence-based medicine; the main determinants of health and disease; strategies for disease prevention, health promotion, and risk control; the organization of the National Health Service; the ethical, professional, and regulatory principles governing healthcare professions and the protection of patients; as well as the fundamentals of health economics and healthcare service organization, with particular emphasis on the appropriate use of professional and technological resources.

Applying Knowledge and Understanding
Upon completion of the Integrated Course in “Public Health and Healthcare Management”, students should be able to interpret the results of epidemiological and clinical studies relevant to professional practice; apply the principles of hygiene and preventive medicine in different healthcare settings; work in compliance with ethical standards, professional codes of conduct, and professional responsibilities; contribute to the organization and operation of healthcare services in their respective professional fields; and use quality indicators and monitoring tools to assess the effectiveness and appropriateness of professional activities and healthcare processes.

Contents

The goal of the course is to provide the student with the cultural basis for the acquisition of full professional competence, according to regulation of the specific professional title: Dental Hygienist (DM 745/94)

Detailed program

Principle, concepts and methods of public health , evolution of the concept of health, demographic and epidemiologic trends, fundamentals of epidemiology, primary, secondary and tertiary prevention tools, public health and healthcare systems, finance and provision of public health services.

Tools of health and healthcare planning.

Specifically, demographic and epidemiologic trends will be presented and sources of data will be discussed. The use of epidemiologic methods for planning health services

Introduction to inference. Point and interval estimation: sample distribution (of the mean) and confidence intervals. Hypothesis testing: logic of the statistical testing, system of hypothesis, p-value, type I and II errors, power of the test and relation between statistical testing and confidence interval. Different types of tests: tests on means and proportions, paired tests and test for association. Measures of effect for binary and time to event endpoints.

Definitions of Ethics and Deontology and their practical applications. Ethics and technology: the new need of a technological world: the responsibility principle; Communication and Informed consent; Ethics dilemmas and limit-cases; professional identity and personal world: contrasts, relationships, problems

The Lombardy Regional Health Service Dental Care:

-Access to dental care, protection of population by clinical and economic criteria

- Use of the Regional Recipe Book and White solvent recipe

- Hospital health documentation, reference legislation

- Hospital admissions: typology and differences

- DRG

- Updating of sterilization protocols and management of odontoiatryc materials

- Biological injury, behavioral conducts

- Dental hygienist profile

Prerequisites

Teaching form

Lectures, exercises

Textbook and teaching resource

Signorelli C (editor). Igiene e Sanità Pubblica. SEU, Roma, 2017

Teachers will provide other educational materials

Semester

Second semester

Assessment method

The final mark, based on the average score obtained by the students during the different evaluations, is set during an oral interview with the student, during which the written tests are scrolled to check mistakes

Office hours

By appointment required by mail

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION