UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Scienze Tecniche Mediche Applicate

1819-3-H4601D017-H4601D047M

Aims

Knowledge and application of the epidemiological
method in order to analyse, understand and evaluate health and dental care problems concerning both the individual and the community; understanding of the principles and regulatory organizational and management issues, concerning the provision of healthcare in Italy. Application of measures for the prevention of infectious risk in dentistry. To
know the legal requirements for the reporting of workplace accidents and occupational diseases, to know how to suspect an occupational disease, to know the risks among healthcare workers and main PPE.

Contents

Epidemiology, Health Care organization and legislation, Hospital Hygiene. Occupational Medicine

Detailed program

APPLIED EPIDEMIOLOGY: Performance of diseases in space and
time and relationships with individual, social and environmental characteristics. Descriptive epidemiology: proportions and rates, incidence, prevalence, mortality, lethality. Routine source of morbidity and health data, records of diseases, targeted surveys. The concepts of risk (absolute risk, relative and attributable risk, odds
ratio) and cause in medicine. The main types of epidemiological studies (cross-sectional and surveys, prospective and case control studies, intervention studies and clinical trials). Read and evaluate methods and
results of an epidemiological study.

HEALTH CARE ORGANIZATION AND
HEALTH LEGISLATION: ethical principles underlying health systems, the strategy
of health for all. The main models of
health systems financing and the mode of financing the National Health Service; organization and
operation of the National Health Service at the national, regional and local level. The National and Regional Health Plans, essential healthcare levels (LEA)
, organization and operation of the hospital , the hospital discharge
classification of cases according to the DRG system, organization and operation
of the Local Health Authority (ASST e ATS) .

HOSPITAL HYGIENE: the concept of accreditation and
authorization. The Dental Outpatient Unit: organizational and functional
requirements and criteria. Characteristics and tasks of the Head of Dental
Outpatient Unit. Strategies and procedures for infection control in dental
health care, sterilization and disinfection in dentistry.

OCCUPATIONAL MEDICINE General Principles
of Occupational Health. Occupational toxicology: mercury and lead. Occupational
tumors. Occupational diseases caused by physical,
chemical and biological agents. Occupational allergies. Work-related
stress, bullying and burn-out. Shift work and night work. Oral occupational diseases.
Possible role of dentist in Occupational Health.

Prerequisites

Teaching form

Lectures

Textbook and teaching resource

Manzoli M, e al: Epidemiologia e Management in Sanità. Edi-ermes, seconda edizione, 2015.

Digital
learning material

Semester

2nd semester

Assessment method

Final
exam consists in a written test with in multiple-choice questions; students
select one correct answer from several choices in order to evaluate the
cognitive and interpretative skills. Furthermore, open questions should assess
interpretative skills.

Office hours

By appointment

Write to l.bresolin@asst-monza.it