

COURSE OF MEDICINE AND SURGERY

Student Handbook a.y. 2015-2016

Public Health

IV year	Scientific Field	DISCIPLINE	TUTOR
Public Health CFU 6 Coordinator Elisabetta Franco	MED 42	<i>General and Applied Hygiene</i>	Elisabetta Franco
	MED 42	<i>General and Applied Hygiene</i>	Sandro Mancinelli
	SECS-P06	<i>Applied Economy</i>	Anna Micaela Ciarrapico
	MED 44	<i>Occupational Medicine</i>	Antonio Pietroiusti

Specific aims

Knowledge of the basic rules for promoting and maintaining health in the single persons, in the community and in the work places. Knowledge of the principles of environmental health and sanitation. Understanding health care service as a system. Knowledge of the methods for Economic Evaluation

PROGRAM

Hygiene

1. Priorities and ethics in health care
2. Communicable diseases: epidemics and surveillance
immunoprophylaxis of infectious diseases
vaccines and vaccination strategies
3. Environmental health risks: air and water pollution, sewage
solid urban waste
4. Food and nutrition
5. Health Care (HC) Service as a system: what is health? which are the determinants of health?
6. Different models of HC delivery: Bismarck and Beveridge models; present challenges
7. Brief history of the Italian National Health Service (SSN) and its fundamental principles
8. SSN (Servizio Sanitario Nazionale) architecture and organization: national and regional level
9. Some critical issues: quality, equity, expenditure/demand/need/supply, HC technologies
10. Evaluating HC systems: international benchmarks

PROGRAM

Applied Economy

Global vs Partial Economic Evaluation.

Methods for Economic Evaluation: Cost – effectiveness analysis; Costs minimization: Cost -Utility analysis; Cost - Benefit analysis. Health Technology Assessment. Cost analysis in economic evaluation.

PROGRAM

Occupational Medicine

Introduction to Occupational Medicine

Assessment of cause-effect relationship in occupational diseases

Classification of most frequent diseases related to chemicals, physical and biological agents in occupational setting

Occupational diseases and occupational accidents

Prevention measures in occupational medicine

Main analytical tools for risk assessment in occupational medicine: hazard, exposure, susceptibility, environmental and biological monitoring, Health surveillance, interpretation of occupational exposure limits,.

Occupational toxicology: toxicokinetics, toxicodynamics, dose-effect relationship

Specific chemicals involved in occupational disease: metals and solvents

Specific physical agents involved in occupational diseases: noise and vibration

Specific biological agents involved in occupational disease: virus hepatitis, tbc

Occupational disorders related to new occupational risk factors: nanoparticles and engineered nanomaterials

COURSE OF MEDICINE AND SURGERY

Student Handbook a.y. 2015-2016

Textbooks

Oxford Handbook of Public Health Practice, 3rd Edition, 2013
 Drummond M.F., O'Brien B., Stoddart G.L., Torrance G.W.: Methods for the Economic Evaluation of Health Care Programmes, Oxford University Press, last edition.
 Handouts

EXAM METHOD

Written and oral exam

EXAM COMMISSION

Elisabetta Franco	
Anna Micaela Ciarrapico	
Sandro Mancinelli	
Antonio Pietroiusti	



Tutor

Elisabetta Franco	0672596122	franco@med.uniroma2.it	
Anna Micaela Ciarrapico		ciarrapico@med.uniroma2.it	
Sandro Mancinelli		sandro.mancinelli@uniroma2.it	
Antonio Pietroiusti		pietroiu@uniroma2.it	