

COURSE OF STUDY Home visiting
ACADEMIC YEAR 2023/2024
ACADEMIC SUBJECT Health Care Sciences 2

General information	
Year of the course	2 nd
Academic calendar (starting and ending date)	2 nd term
Credits (CFU/ETCS):	10
SSD	MED/42- MED/50
Language	Italian
Mode of attendance	Mandatory

Professor/ Lecturer	
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Office Hours (and modalities: e.g., by appointment, on line, etc.)	By appointment to be arranged by email
Professor/ Lecturer	
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Professor/ Lecturer	
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Work schedule			
Hours			
Total	Lectures	Hands-on (laboratory, workshops, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
250	100		150
CFU/ETCS			
10	10		

Learning Objectives	The training activity aims to provide future health assistants with cultural elements, method and approach to the prevention and control of infectious diseases and vaccination practice, activities that are typical of the profession of the health assistant
Course prerequisites	To take the examination of Health Care Sciences 2 there are no prerequisites. However, in view of the complementarity and the relevance of the contents, it would be appropriate for the student to have taken the examination of Healthcare Sciences I
Teaching strategie	Teaching is developed in lectures given by the official teachers on the themes of the program. The analysis of the topics takes into account, in addition to doctrinal contributions, also the analysis of scientific work and synopsis on the prevention of infectious diseases and vaccination strategies issued by international institutions (World Health Organization, European Center for disease control) and national (Higher Institute of Health, Ministry of Health).
Expected learning outcomes in terms of	
Knowledge and understanding on:	<ul style="list-style-type: none"> ○ Concept, approach and methodology of intervention in the prevention of infectious diseases ○ Immunological basis on vaccines ○ General elements of epidemiological classification of infectious diseases ○ Principles of diagnostic techniques
Applying knowledge and understanding on:	<ul style="list-style-type: none"> ○ Use best practices to plan and implement infectious disease control and prevention interventions ○ Use of computerised systems to support notification of infectious diseases and management of vaccination campaigns ○ Ability to organise a vaccination clinic
Soft skills	<ul style="list-style-type: none"> ● <i>Making informed judgments and choices</i> <ul style="list-style-type: none"> ○ Identify information sources for defining relevant problems in the field of infectious disease prevention ○ Ability to prioritize emerging issues according to objective criteria ○ Ability to verify the effectiveness and efficiency of preventive, control and management actions take <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ Discuss with colleagues the use of disciplinary tools on concrete cases (example, eligibility for vaccination) ○ Transmit an infectious disease report ○ Send an adverse event report to vaccine ○ Explain to a colleague or patient the need for public health measures to be taken in specific cases (isolation, absentia, etc.) <i>Capacities to continue learning</i> <ul style="list-style-type: none"> ○ Ability to learn independently ○ At the end of the course the/the student/student must be able to ○ Check for documents and updates relevant to public health on accredited information sources (for example, from international or national public health institutions) ○ Identify guidelines, protocols and procedures relevant to the disciplinary field and analyze its contents ○ Identifying and analysing a Ministry of Health Circular
Syllabus	
Content knowledge	<p>Hygiene</p> <ul style="list-style-type: none"> - General information on vaccination - History of the Jennerian vaccine - General information on immune response; passive immunisation; active immunisation - Classification and composition of vaccines - Routes of administration of vaccines - Duration of vaccination protection - Conservation of vaccines



	<ul style="list-style-type: none"> - Adverse events to vaccines - Verse and false contraindications to vaccines - Prevalence history, co-diagnosis and dose intervals - Vaccination strategies and epidemiology of vaccinations - Obligation and communication in the field of vaccines - Diphtheria, tetanus, whooping cough, poliomyelitis, hepatitis b, HIB, pneumococcus, meningococcus, measles, mumps, rubella, chickenpox, hepatitis A, rotavirus, influenza, HPV, zoster, tuberculosis, SARS-cov-2 - Vaccination in travel medicine - Vaccination of health workers - Vaccination of persons suffering from chronic disease <p>Medical sciences and techniques</p> <ul style="list-style-type: none"> - Bacteria and viruses - Relationships between micro-organisms and the individual. The spread of infection in the body - The functioning of the immune system - Genetics of bacteria and viruses. - The replicative cycle of viruses in eukaryotes - Disinfection, disinfectants and level of activity of disinfectants - Vaccines technologies and new technologies for vaccine production - Microbiological diagnostic techniques and technologies. - Techniques and technologies for direct diagnosis. - Techniques and technologies for rapid diagnosis. - Techniques and technologies for indirect diagnosis - Molecular diagnostic techniques and technologies - Next generation diagnostic technologies
Texts and readings	<p>S. Barbuti, G.M. Fara, G. Giammanco. Igiene, Medicina Preventiva e Sanità Pubblica. Edises Università 2022</p> <p>Bartolozzi G. Vaccini e vaccinazioni. Elsevier 2012</p>
Notes, additional materials	<p>CDC. Epidemiology and Prevention of Vaccine-Preventable Diseases. https://www.cdc.gov/vaccines/pubs/pinkbook/index.html</p>
Repository	School of Medicine e-learning system

Assessment	
Assessment methods	<p>The exam consists of an oral interview on the contents of the course, held before at least two of the lecturers.</p> <p>The oral interview includes not less than 5 questions, or at least one for each module of the course.</p> <p>Commission formulates the evaluation at the end of the interview and communicates it through the ESSE3 system</p>
Assessment criteria	<p><i>Knowledge and understanding:</i></p> <ul style="list-style-type: none"> • student must be able to provide the main definitions of the terms proper to public health and hygienic discipline, with particular reference to the field of prevention of infectious diseases <p><i>Knowledge and understanding applied:</i></p> <ul style="list-style-type: none"> • student must demonstrate knowledge of the tools of vaccinology and apply them to concrete cases, which concern both the healthy subject and the person at risk <p><i>Autonomy of judgment:</i></p> <ul style="list-style-type: none"> • The student must demonstrate the ability to use standardized criteria for prioritization <p><i>Communication skills:</i></p>



	<ul style="list-style-type: none">• <i>student must properly use the terms of the discipline</i>• <i>student must demonstrate to use a logical order for the framing and presentation of problems (definition, reference epidemiological context, burden, prevention and control approaches)</i> <p><i>Ability to learn:</i></p> <ul style="list-style-type: none">• <i>student must demonstrate the ability to identify relevant information sources for public health and to critically discuss their content</i>
Final exam and grading criteria	<p><i>The final grade is awarded in thirtieth grade. The exam is considered passed when the grade is greater than or equal to 18</i></p> <p><i>All examination questions contribute proportionately to the formulation of the final grade.</i></p> <p><i>The ability to understand the multidimensional value of public health interventions is evaluated positively, an element that becomes right for the purpose of granting praise.</i></p>
Further information	
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