



# UNIVERSITÀ DEGLI STUDI DI PALERMO

<b>DEPARTMENT</b>	Promozione della Salute, Materno-Infantile, di Medicina Interna e Specialistica di Eccellenza "G. D'Alessandro"		
<b>ACADEMIC YEAR</b>	2017/2018		
<b>BACHELOR'S DEGREE (BSC)</b>	PREVENTION TECHNIQUES FOR THE ENVIRONMENT AND WORKPLACE		
<b>INTEGRATED COURSE</b>	HYGIENE AND EPIDEMIOLOGICAL METHODOLOGY - INTEGRATED COURSE		
<b>CODE</b>	17606		
<b>MODULES</b>	Yes		
<b>NUMBER OF MODULES</b>	2		
<b>SCIENTIFIC SECTOR(S)</b>	MED/42		
<b>HEAD PROFESSOR(S)</b>	MASSENTI MARIA FATIMA	Professore Associato	Univ. di PALERMO
<b>OTHER PROFESSOR(S)</b>	CALAMUSA GIUSEPPE MASSENTI MARIA FATIMA	Professore Associato Professore Associato	Univ. di PALERMO Univ. di PALERMO
<b>CREDITS</b>	9		
<b>PROPAEDEUTICAL SUBJECTS</b>			
<b>MUTUALIZATION</b>			
<b>YEAR</b>	1		
<b>TERM (SEMESTER)</b>	2° semester		
<b>ATTENDANCE</b>	Mandatory		
<b>EVALUATION</b>	Out of 30		
<b>TEACHER OFFICE HOURS</b>	<p><b>CALAMUSA GIUSEPPE</b> Friday 13:00 14:00 1° piano - Plesso di Igiene - Dipartimento di Promozione della Salute, Materno Infantile, Medicina Interna e Specialistica di Eccellenza "G. D'Alessandro" (PROMISE) - Via del Vespro n. 133, 90127 - Palermo - Italy</p> <p><b>MASSENTI MARIA FATIMA</b> Tuesday 12:00 14:00 Dipartimento di Scienze per la Promozione della Salute, sezione Igiene, via del Vespro 133 Wednesday 8:30 9:30 Dipartimento di Scienze per la Promozione della Salute, sezione Igiene, via del Vespro 133</p>		

**DOCENTE:** Prof.ssa MARIA FATIMA MASSENTI

<b>PREREQUISITES</b>	The prerequisites are those established at the national level to access to the health professions courses. In order to be admitted to the course these students must pass a mandatory competition based on tests that include questions on logic, physic, basic chemistry, and biology.
<b>LEARNING OUTCOMES</b>	<p>Knowledge and understanding : The student knows the demographic aspects of the Italian population and the methods ' to study the spread of acute and chronic degenerative diseases . It possesses the knowledge on the environment as a dynamic and complex system and recognizes the interrelationships between the components ; and ' capable of developing a multidisciplinary approach required for the analysis and management of reality' complex environmental ; He knows the principles and the main community , state and regional regarding the protection of public health .</p> <p>Ability to apply knowledge and understanding: The student is able to search for data on health issues both domestic and international , to build charts and graphs to illustrate and comment , to apply their knowledge to the identification , analysis , monitoring and the development of appropriate interventions prevention; He has acquired the skills to use the Community legislation , national and regional public health.</p> <p>Autonomous judgement: the student is able to find and use data to formulate responses to problems of a concrete type ; He has developed appropriate skills for the collection of health data.</p> <p>Communication skills: the student is able to work in a group, he knows how to present to communicate the work carried out individually or in groups.</p> <p>Learning skills: the student is able to update useful for entering into employment , or for access to the following courses of study specialization (degree, Master courses etc.)</p>
<b>ASSESSMENT METHODS</b>	<p>The candidate will have to answer at least two/three orally posed questions for each module that constitutes the integrated course, on all parties of the program, in compliance to the recommended texts. The final examination aims to evaluate whether the student has knowledge and understanding of the topics, has acquired the ability and independent judgment to interpret concrete cases. The sufficiency will be threshold when the student shows knowledge and understanding of the issues at least in broad outline, and has minimal application skills in order to solve concrete cases; It must also possess skill in exhibition and argumentative to allow the transmission of his knowledge to the examiner. Below this threshold, the examination will be insufficient. The more, however, the examinee with his ability 'argumentative and expository able to interact with the examiner, and the more his knowledge and ability applications go into detail of the discipline of verification, the more assessment will be positive . The assessment is carried out of thirty.</p> <p>In detail, the vote will be based on the following principles:</p> <p>Excellent (30-30 Honours) - Excellent knowledge of the topics, excellent properties of language, good capacity analytic, students and able to apply knowledge to solve problems proposed.</p> <p>Very Good (26-29) - Good knowledge of the topics, full ownership of the language, the student and able to apply knowledge to solve problems proposed.</p> <p>Good (24-25) - Basic knowledge of the main topics, discrete properties of language, with limited ability to independently apply the knowledge to the solution of the proposed problems.</p> <p>Satisfactory (21-23) - has not fully mastered the main teaching subjects but it has the knowledge, satisfactory property language, poor ability to independently apply the knowledge gained.</p> <p>Sufficient (18-20) - Minimum basic understanding of the main topics of teaching and technical languages, very little or no ability to independently apply the knowledge gained.</p> <p>Insufficient - It does not have an acceptable knowledge of the contents of the topics covered in the teaching.</p>
<b>TEACHING METHODS</b>	Lectures: preparation and discussion of a dissertation: presentation and discussion of works published in scientific journals.

## MODULE HYGIENE

Prof. GIUSEPPE CALAMUSA

### SUGGESTED BIBLIOGRAPHY

- Vitale F., Zagra M. Igiene, epidemiologia e organizzazione sanitaria orientate per problemi. Elsevier, Masson
- Meloni C. Igiene per le lauree delle professioni sanitarie. Casa Editrice Ambrosiana
- Lanciotti E. Igiene per le professioni sanitarie. McGraw-Hill
- Materiale didattico consigliato e/o fornito dal docente durante le lezioni: norme, report, dossier, dati, casi di studio, progetti ed altri documenti ritenuti di interesse

<b>AMBIT</b>	10357-Scienze propedeutiche
<b>INDIVIDUAL STUDY (Hrs)</b>	90
<b>COURSE ACTIVITY (Hrs)</b>	60

### EDUCATIONAL OBJECTIVES OF THE MODULE

Provide students with the basic knowledge and a significant mastery of general scientific method as well as the ability to process and interpret in an integrated environmental data of different nature, needed to acquire appropriate application skills. To allow students to achieve the following objectives:

- learn the basics of hygiene becoming familiar with the terminology and its language of this discipline;
- Learn the basics of risk assessment becoming familiar with the terminology and the own language of this approach to the main problems of public health;
- Develop the interdisciplinary approach necessary to operate on complex reality and to process and interpret the data in an integrated manner;
- Developing autonomous learning ability, processing of knowledge and transfer of results to specialist and non.

## SYLLABUS

Hrs	Frontal teaching
4	The organization of the NHS: structures, functions and powers
4	Principles and basic elements for the management and health management
2	The risk analysis and health protection
4	General epidemiology of infectious and parasitic diseases
6	Prevention strategies of infectious or communicable diseases
6	Epidemiology and prevention of the most frequent infectious or communicable diseases
4	The food risks
6	Principles of epidemiology and prevention of major chronic diseases and metabolic disorders
4	Hygiene of urban centers and housing
4	Thermal comfort and indoor air quality
4	Meaning and application of specific regulations to protect health and the environment
4	Risk management: safety of patients and operators
8	Indication of keywords and detailed information for the research of standards, reports, files, data, case studies, projects and other documents of interest - Personal work and / or in small groups, with the aid of the teacher, for the study and critical analysis of what is identified and interest - Presentation, communication and discussion of personal work and / or created group

**MODULE  
EPIDEMIOLOGICAL METHODOLOGY**

*Prof.ssa MARIA FATIMA MASSENTI*

**SUGGESTED BIBLIOGRAPHY**

Capitolo di metodologia epidemiologica in "Vitale F., Zagra M. Igiene, epidemiologia e organizzazione sanitaria orientate per problemi. Elsevier, Masson, Italia."

Materiale didattico consigliato e fornito dal docente durante le lezioni

<b>AMBIT</b>	10360-Scienze della prevenzione nell' ambiente e nei luoghi di lavoro
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

**EDUCATIONAL OBJECTIVES OF THE MODULE**

Know the Italian population in the natural aspects and its social aspects . Know the main causes of the disease , the sources and flows of information to understand the health phenomena in our country , about the occurrence measures , risk , key epidemiological studies and their main applications . Knowing how to research the health data of our country through the main websites .

Knowing how to organize a collection of epidemiological data , knowing how to be in the form of communication ( powerpoint).

**SYLLABUS**

<b>Hrs</b>	<b>Frontal teaching</b>
1	History and epidemiology objectives
2	Frequency of disease : descriptions of occurrence measures
4	The population in its natural and social aspects. Demography
3	Finding sources of data and flows of birth rate ' and mortality . Major domestic and international websites
4	Description and application of the observational descriptive epidemiology studies . Use and construction of a questionnaire.
2	Description and application of ecological studies
3	Definition of risk of disease : the main risk factors and relationship with the main chronic degenerative diseases . The risk measures.
2	Description and application of analytical descriptive epidemiology studies . cross-sectional studies.
2	Description and application of prospective studies : a cohort study.
2	Description and application of retrospective studies : The case-control study .
2	Description and application of experimental epidemiological studies