UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata		
ACADEMIC YEAR	2016/2017		
BACHELOR'S DEGREE (BSC)	ORTHOTICS AND OPHTHALMOLOGIC CARE		
INTEGRATED COURSE	INTERDISCIPLINARY SCIENCES - INTEGRATED COURSE		
CODE	06354		
MODULES	Yes		
NUMBER OF MODULES	3		
SCIENTIFIC SECTOR(S)	MED/36, ING-INF/05, MED/42		
HEAD PROFESSOR(S)	PARDO SALVATORE	Ricercatore	Univ. di PALERMO
OTHER PROFESSOR(S)	MAIDA CARMELO MASSIMO	Professore Associato	Univ. di PALERMO
	FRANCHINI SILVIA GIUSEPPINA	Professore a contratto	Univ. di PALERMO
	PARDO SALVATORE	Ricercatore	Univ. di PALERMO
CREDITS	9		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	3		
TERM (SEMESTER)	1° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	**FRANCHINI SILVIA GIUSEPPINA** Friday 11:00 12:00 Su appuntamento **MAIDA CARMELO MASSIMO** Monday 09:30 11:30 Dipartimento di Scienze per la Promozione della Salute, sezione di Igiene, Via del Vespro 133. Thursday 09:30 11:30 Dipartimento di Scienze per la Promozione della Salute, sezione di Igiene, Via del Vespro 133. **PARDO SALVATORE** Monday 09:00 11:00 previo appuntamento telefonico Friday 09:00 11:00 Istituto radiologia , previo appuntamento telefonico 3406432558		

DOCENTE: Prof. SALVATORE PARDO

PREREQUISITES	general knowledge of ocular diseases and diagnostic
LEARNING OUTCOMES	Knowledge and ability to understand Acquisition: 1. Of the language proper to the discipline to understand it and to use it appropriately; 2. Of the techniques and tools in use at every single discipline. Capacity to apply knowledge and understanding Being able to: 1 identify the principles of the disciplines for use in the specific context but also to make additional use to other disciplines, with autonomous paths of use; 2. Knowing how to choose the appropriate semeiotici interventions and tools needed for clinical or scientific path identified. Making judgments Being able to identify and communicate the elements that characterize the individual disciplines, moving crosswise on more disciplines, which also involve the ophthalmic disciplines with relevance and competence Enable communication Being able to explain verbally what they have learned and the clinical and methodological reasoning, even a non-expert public. Capacity Learning Be able to: 1. Consult the scientific literature on hygiene and health education; 2. Increase the knowledge gained in the course to further advanced studies 3. Re-process what they have learned through the practice of specific techniques. Knowledge and ability to understand Acquisition: 1. Of the language proper to the discipline to understand it and to use it appropriately; 2. Of the techniques and tools in use at every single discipline. Capacity to apply knowledge and understanding Being able to: 1 identify the principles of the disciplines for use in the specific context but also to make additional use to other disciplines, with autonomous paths of use; 2. Knowing how to choose the appropriate semeiotic interventions and tools needed for clinical or scientific path identified. Making judgments Being able to identify and communicate the elements that characterize the individual disciplines, moving crosswise on more disciplines, which also involve the ophthalmic disciplines with relevance and competence Enable communication Being able to explain verbally what they have learned and the clinical and methodological reasoning, even to a non-expert public. Capacity of Learning Be able to: 1. Consult the specific scientific literature ; 2. Increase the knowledge gained in the course to further advanced studies 3. Re-process what they have learned through the practice of specific techniques.
ASSESSMENT METHODS	Final evaluation is performed by oral exam according to the University calendar. An optional written test also may be used. The oral exam consists of an interview, in order to check skills and knowledge of the content of the course; the interview will relate to one or more relevant open or semi-structured questions. The questions tend to verify the acquired knowledge, the ability of organization and processing clinical skills and the ability to display the same. The ability of content organization and processing turns to test the clinical argument and applying concepts in a professional context. Oral presentation ability will be evaluated with a score gradually increasing according the use of language adequate sufficiently articulated to the professional conditions. The sufficiency threshold will be is reached 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; he/she should show too own capacity and argumentative as to allow the transmission of his knowledge to the examiner. Below this threshold, the examination will result insufficient. The more, however, the examinee is able to interact with the examiner, and how much more his/her knowledge and ability go into the details of verification, the more the assessment will be positive. The assessment is carried out of thirty. Oral examination rating : 30-30L excellent; 27-29 very good ; 24-26 good; 21-23 discreet; 18-20 sufficient; 1-17 insufficient.

TEACHING METHODS	frontal lessons, clinical practice

MODULE
HYGIENE AND HEALTHCARE EDUCATION

Prof. CARMELO MASSIMO MAIDA

SUGGESTED BIBLIOGRAPHY

BARBUTI S, BELLELLI E, FARA GM, GIAMMANCO G. - Igiene e medicina preventiva. Monduzzi, Bologna.
SIGNORELLI C - Elementi di Metodologia epidemiologica - Societa' Editrice Universo, Roma V edizione, 2000.
Durante lo svolgimento del corso altri riferimenti bibliografici ed eventuale altro materiale didattico aggiornato viene fornito dal docente stesso.

AMBIT	10729-Attività formative affini o integrative
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Acquisition of basic knowledge of epidemiology, general and special prevention of infectious and chronic/degenerative diseases, especially in the field of ophthalmology.

SYLLABUS

Hrs	Frontal teaching
4	Introduction to hygiene, the concept of health, health promotion and disease prevention
2	indicators of health of a population : rates (morbidity, mortality, lethality).
2	Descriptive epidemiology
2	Analytical epidemiology: case-control studies; Cohort studies
2	Experimental epidemiology
2	Trends of infectious diseases among the population: epidemic, pandemic and sporadic
6	General prophylaxis of infectious diseases: notification, diagnostic assessment, isolation, disinfection and sterilization.
2	Hand washing
2	Active and passive immunity. Specific prophylaxis of infectious diseases, vaccine prophylaxis, serum prophylaxis, chemoprophylaxis
2	Required and recommended vaccinations
2	Strategies of health education
2	Nosocomial infections

MODULE
IMAGE DIAGNOSTICS AND RADIOTHERAPY

Prof. SALVATORE PARDO

SUGGESTED BIBLIOGRAPHY

Lezioni powerpoint Diagnostica per immagini e radioterapia di Cittadini Giorgio - Cittadini Giuseppe - Sardanelli Francesco Editore: ECIG Genere: scienze mediche. medicina Argomento: diagnostica medica, radioterapia Edizione: 6 Pagine: 1074 ISBN: 8875441383 ISBN-13: 9788875441388 Data pubblicazione: 2008

AMBIT	10323-Scienze della prevenzione dei servizi sanitari
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

1. identify the principles of discipline to use them within their own but also to make integrative use with other disciplines, with independent paths use 2. Knowing how to choose the appropriate interventions semeiotici and tools needed for clinical or scientific path 3. able to identify and communicate the elements that characterize the individual disciplines, to move transversely across multiple disciplines

SYLLABUS

Hrs	Frontal teaching
30	1. identify the principles of discipline to use them within their own but also to make integrative use with other disciplines, with independent paths use 2. Knowing how to choose the appropriate interventions semeiotici and tools needed for clinical or scientific path 3. able to identify and communicate the elements that characterize the individual disciplines, to move transversely across multiple disciplines

MODULE
COMPUTER PROCESSING

Prof.ssa SILVIA GIUSEPPINA FRANCHINI

SUGGESTED BIBLIOGRAPHY	
Govoni M., Marone U., La patente europea del computer - Con Syllabus 4.0. Editore: Simone per la scuola, Napoli, 2004.	
AMBIT	10326-Scienze interdisciplinari
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

To know how to choose between the use of a proprietary application or an open source.
To know drafting a complex document structured in chapters, integral notes, header and footer page, illustrations, diagrams, tables, computer tables using a word processing application for.
To know build a spreadsheet structured in more pages and integral formulas, calculations for data, row totals and column graphs, data tables.
Knowing make a presentation of content, including multimedia, to support activities teaching or relationship.
Knowing build simple relational databases and data interrogation procedures contained therein.
Knowing how to use email, the PEC and the search engines and share data via the cloud.
Knowing how to prepare activities for communication through social networks and thematic platforms.

SYLLABUS

Hrs	Frontal teaching
2	Proprietary software and open source projects.
6	Applications (software) for: digital signatures, encryption, security (antivirus, firewall)
12	Applications for individual productivity: word processing, spreadsheet, presentation and desktop publishing, databases, vectorial and raster graphics, diagramming.
10	Communication and sharing across the Internet (cloud spaces, social networking, forums, chat, e-mail, PEC) and thematic platforms (research, publication, etc.).