UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Promozione della Salute, Materno-Infantile, di Medicina Interna e Specialistica di Eccellenza "G. D'Alessandro"
ACADEMIC YEAR	2017/2018
MASTER'S DEGREE (MSC)	NURSING AND MIDWIFERY
INTEGRATED COURSE	EVIDENCE-BASED NURSING AND MIDWIFERY - INTEGRATED COURSE
CODE	18009
MODULES	Yes
NUMBER OF MODULES	3
SCIENTIFIC SECTOR(S)	MED/05, MED/01, MED/45
HEAD PROFESSOR(S)	CORRAO SALVATORE Professore Ordinario Univ. di PALERMO
OTHER PROFESSOR(S)	BALISTRERI CARMELA RITA Professore Associato Univ. di PALERMO CORRAO SALVATORE Professore Ordinario Univ. di PALERMO MATRANGA DOMENICA Professore Ordinario Univ. di PALERMO
CREDITS	10
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	1
TERM (SEMESTER)	1° semester
ATTENDANCE	Mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	**BALISTRERI CARMELA RITA** Wednesday 10:00 12:00 Istituto di Patologia generale, Corso Tukory 211 **CORRAO SALVATORE** Monday 9:00 13:00 **MATRANGA DOMENICA** Friday 12:00 13:30 Stanza della docente, Dipartimento di Promozione della Salute, Materno-Infantile, Medicina interna e specialistica di eccellenza "G. D'Alessandro", Via del Vespro, 133, piano terra

DOCENTE: Prof. SALVATORE CORRAO

PREREQUISITES	Basic knowledge of statistics. Basic knowledge of research methodology. Basic knowledge of scientific english.
LEARNING OUTCOMES	EXPECTED LEARNING RESULTS Knowledge and understanding skills Acquiring key concepts for reading and analyzing biomedical literature. Ability to apply knowledge and understanding Knowing the basics of statistics and methodology in order to write synopses of scientific studies. Judgment autonomy Acquisition of knowledge to identify validate scientific evidence to improve clinical practice. Communicative Skills Being able to analyze and comment scientific evidence to support their argumentations. Learning ability Based on what has been acquired during the course and through the individual study, the ability to update their own knowledge using validate scientific evidence.
ASSESSMENT METHODS	31 multiple-choice questions final test. A point for each correct answer.
TEACHING METHODS	Frontal lessons. Class exercises. Review of scientific articles.

MODULE
NURSING AND MIDWIFERY RESEARCH METHODS

Prof. SALVATORE CORRAO

SUGGESTED BIBLIOGRAPHY

Polit D.F., Tatano Beck C. Nursing Research. Principles and Methods.
LippincottWilliams & Wilkins. 2004
Sironi C. Introduzione alla Ricerca Infermieristica. I fondamenti teorici e gli elementi di base per comprenderla nella realta' italiana. Casa Editrice
Ambrosiana. 2010

AMBIT	20380-* Scienze ostetriche
INDIVIDUAL STUDY (Hrs)	68
COURSE ACTIVITY (Hrs)	32

EDUCATIONAL OBJECTIVES OF THE MODULE

The module aims to train students to integrate knowledge and skills through advanced research activities. Be able to understand in evaluating the results of research in the nursing field and obstetrician.
Search, select and evaluate the results of nursing research or interest in the field of nursing and midwifery.
At the end of the course the student will develop skills in research and will be able to realize a research project.

SYLLABUS

Hrs	Frontal teaching
4	qualitative research, quantitative and types of studies
6	The research Protocol and search products
6	Types of variables and multivariate analysis
8	BIAS. Confounding. Internal validity and generalizability.
8	Legislation and authorization rules on the ethics committees

MODULE
CLINICAL PATHOLOGY

Prof.ssa CARMELA RITA BALISTRERI

SUGGESTED BIBLIOGRAPHY

Medicina di Laboratorio - M. Laposata - Ed. Piccin
Manuale di Patologia Clinica – I. Antonozzi – Ed. Piccin

AMBIT	20375-Scienze biomediche
INDIVIDUAL STUDY (Hrs)	51
COURSE ACTIVITY (Hrs)	24

EDUCATIONAL OBJECTIVES OF THE MODULE

Objectives of Clinical Pathology teaching are to enable students to acquire the basic techniques and application of clinical pathology that can allow them to use the most appropriate clinical procedures for the patient' s preparation to laboratory tests, collecting biological samples, management of reports and identifying the advantages and limitations.

SYLLABUS

Hrs	Frontal teaching
2	Biomarkers and their biological , pre-analytical, analytical variability and their applications in the functional assessment or tissue damage and organ
3	Blood and its components, their functions. Counts of blood cells and their applications in the diagnosis laboratory of blood disorders, such as anemia. Alterations in leukocyte formula and their applications in immune disorders
3	Pathophysiology of autoimmune diseases, their classification and diagnostic criteria. Biomarkers in their diagnosis laboratory
3	Liver disease and diagnostic laboratory
2	The pancreas, diabetes and its complications, and diagnostic laboratory
3	Urinary system and associated diseases, and diagnostic laboratory
3	cardiovascular diseases and diagnostic laboratory
3	Endocrine disorders and diagnostic laboratory
2	Immunodeficiencies and diagnostic laboratory

MODULE
QUANTITATIVE METHODS FOR BIOMEDICAL RESEARCH

Prof.ssa DOMENICA MATRANGA

SUGGESTED BIBLIOGRAPHY	
Triola MM Triola MF, Statistica per le discipline biosanitarie, Pearson	
AMBIT	20374-Scienze propedeutiche
INDIVIDUAL STUDY (Hrs)	51
COURSE ACTIVITY (Hrs)	24
EDUCATIONAL OBJECTIVES OF THE MODULE	
The course is aimed to introduce the statistical methodology useful to the skills of the master degree student in Nursing and Midwifery, in particular to support research in the clinical setting. The topics include the understanding of the study design and of statistical analysis, as well as the methods for the construction of health indicators useful to guide decisions of Health Administration and Management	

SYLLABUS

Hrs	Frontal teaching
2	Introduction to Health Statistics
2	Descriptive data analysis: distributions and graphics
3	Data synthesis: Mean and variability
3	Techniques of statistical surveys and questionnaires
2	Observational studies
2	Experimental studies, randomization
3	Hospital indicators
3	Standardization of rates

Hrs	Practice
3	dei dati Practice on preparation of tables and graphics to describe and summarize data