

INTEGRATED COURSE: MATERNAL AND CHILD CLINICAL NURSING CARE

Year/semester: Third year/Second semester

ECTS: 4

MODULE	SSD	ECTS	HOURS	PROFESSORS Bergamo office
General and specialized paediatrics	MED/48	1	15	Fabrizio Ciralli
Clinical and Paediatric General Nursing Sciences	MED/45	1	15	Della Ventura Orsola
Gynaecology and obstetrics	MED/40	1	15	Vitobello Domenico
Obstetrical and Gynaecological Nursing	MED/47	1	15	Facchi MariaAssunta

OBJECTIVES OF THE INTEGRATED COURSE: Know the main problems related to the state of health and illness in in the field of obstetrics and gynaecology, maternal-child and paediatrics, also in the light of multi-ethnicity. To identify and respond to the nursing needs of women and children, related to different states of health and illness in the field of obstetrics and gynaecology, maternal-child and paediatrics, also in the light of multi-ethnicity. To inform and educate women and children about health.

TEACHING METHODS: Lectures, watching video-clips, plenary discussions

PREREQUISITES: none

ASSESSMENT METHOD: Written examination with multiple-choice answers.

MODULE: General and specialized paediatrics MED/48

SUGGESTED READING:

- Reviewing scientific literature (www.pubmed.org);
- Course slides.

ADVANCED READING (WEBOGRAPHY):

- SISIP Società Italiana Scienze Infermieristiche Pediatriche (www.sisip.it)
- SIP Società Italiana di Pediatria (www.sip.it)
- SIN Società Italiana di Neonatologia (www.neonatologia.it)
- America Academy of Pediatrics (www.aap.org)

LEARNING OBJECTIVES:

At the end of the course, the student will know the physiology of the newborn infant from intrauterine life to breastfeeding, the main pathologies and the principles of resuscitation. They will also acquire knowledge of the main paediatric emergency situations and the main infectious diseases and prevention measures.

CONTENT

Neonatology

- 1. THE PHYSIOLOGY OF THE NEWBORN**
 - Embryonic and foetal development
 - Adaptation of the newborn to life outside the uterus: the first respiratory activities and the change from foetal to neonatal circulation
 - Breastfeeding
- 2. THE PATHOLOGIES OF THE NEWBORN**
 - prematurity
 - congenital disorders
- 3. PRINCIPLES OF NEONATAL RESUSCITATION AND NEONATAL TRANSPORT**

Paediatrics

- 4. EMERGENCIES IN PAEDIATRICS:**
 - the emergency room
 - cardio-respiratory arrest: the causes and principles of resuscitation
 - accidental events: head trauma - foreign body inhalation - burns - shock
 - respiratory distress
 - fever
- 5. INFECTIOUS DISEASES:**
 - Main causes and prevention measures
 - Vaccinations

MODULE: GENERAL AND PAEDIATRIC CLINICAL NURSING SCIENCES MED/45

LEARNING OBJECTIVES:

By the end of the course the student should have acquired the knowledge and skills that will enable him/her to work in the paediatric field.

Specifically, by the end of the course the student should know: the characteristics of the care process for healthy and sick newborns, children and adolescents; the specificity of the responses to the needs of the paediatric patient; principles of nursing care for the main paediatric pathologies; therapeutic patient education for the child and the family; the characteristics of emergency in the neonatal/paediatric setting.

SUGGESTED READING: Text: Badon P. Cesaro S (2015) Assisetnza Infermieristica in pediatria. Seconda Edizione. Milano: Casa Editrice Ambrosiana.

ADVANCED READING: Romagnoli (2016) Percorsi Assistenziali Neonatologici. Biomedica

ADVANCED READING (WEBOGRAPHY):

- SISIP Società Italiana scienze infermieristiche pediatriche (www.sisip.it)
- SIP Società Italiana Pediatria (www.sip.it)
- SIN Società Italiana Neonatologia (www.neonatologia.it)

CONTENT

Introduction to the course: objectives, teaching methodology and evaluation

1- CLINICAL AND PAEDIATRIC GENERAL NURSING SCIENCES

- Course presentation
- Neonatal nursing and paediatrics

2- THE HEALTHY NEWBORN /SICK NEWBORN

- Assisted birth
- Healthy newborn care from the first hours to discharge
 - Heel blood sampling
 - Prevention of SIDS
- Overview on the management of the sick and premature infant

3- CHILD GROWTH AND DEVELOPMENT

- Growth
- Neurological development
- Health check-ups
- Developmental stages

4- THE PAEDIATRIC NURSING PROCESS

- Educational aspects
- Preventive aspects
- Rehabilitation aspects

5- THE PAEDIATRIC ENVIRONMENT AND HOSPITALISATION

- The child in hospital: reception, visits, safety measures, discharge
- The child and the experience of illness: communicative and relational aspects
- School and play-time in the hospital
- Family-Centred-Care
- Charter of Children's Rights

6- THE CHILD AND PAIN

- Cultural and clinical aspects
- Measurement methods
- The child undergoing surgery
- Therapy management (pharmacological - non-pharmacological)

7- NURSING CARE IN MAJOR PAEDIATRIC DISORDERS

- Disorders of the respiratory system
- Disorders of the gastrointestinal tract
- Disorders of the urogenital system

8- PAEDIATRIC EMERGENCIES

- Overview of PBLS
- Accidental events
 - Airway obstruction

9- THE ADOLESCENT PATIENT

- Teenagers and illness
- Eating disorders
- Risk of addiction (smoking, alcohol)

MODULE: GYNAECOLOGY AND OBSTETRICS MED/40

LEARNING OBJECTIVES:

By the end of the course the student should have learned the physiology of pregnancy and monitoring of maternal and foetal well-being, as well as the physiology of the female reproductive system and the menstrual cycle, with an in-depth understanding of the principles of diagnosis and prevention of some of the most important pathologies of the female genital system.

SUGGESTED READING:

- Reviewing scientific literature (www.pubmed.org);
- Course slides.

CONTENTS:

1- INTRODUCTION

- . Overview of anatomy and embryology
- . amenorrhoea
- . abortion

2- BENIGN GYNAECOLOGICAL CONDITIONS

- . ovarian cysts
- . endometriosis and deep endometriosis
- . polyps and myomas

3- GYNAECOLOGICAL ONCOLOGY

- . Cervical neoplasia
- . Uterus neoplasia
- . Ovarian neoplasia

4- URINARY INCONTINENCE

- . clinical history
- . prolapse

5- CONTRACEPTION

MODULE: OBSTETRICAL AND GYNAECOLOGICAL NURSING

MEDD\47

INTEGRATED COURSE OBJECTIVES:

Know the main problems related to health and illness in the field of obstetrics and gynaecology, mother-child and paediatrics, also in the light of multi-ethnicity. To identify and respond to the nursing care needs of women and children.

SUGGESTED READING:

- PESCKETTO, DE CECCO, PECORARI Ginecologie e Ostetricia (La gravidanza)
- Agenas (2013), La salute della popolazione immigrata: il monitoraggio da parte dei Sistemi Sanitari Regionali, Progetto nazionale, Accordo Ministero della Salute – Agenas, Rome. (Donne Migranti)
- "Guidelines for health professionals and other professionals, working with immigrant communities from countries where female genital mutilation practices are carried out, on prevention, assistance and rehabilitation activities for women and girls who have experienced these practices" - Ministry of Health. Rome, 20 September 2007 (Mutilations)

ADVANCED READING (WEBOGRAPHY):

- <https://www.ncbi.nlm.nih.gov/pubmed/> (Mutilations)

- 1- **PREGNANCY**
- 2- **THE NEWBORN**
- 3- **ASSISTANCE TO MIGRANT WOMEN**
- 4- **FEMALE GENITAL MUTILATION**
- 5- **PELVIC FLOOR ACTIVATION**