

SUBJECT OUTLINE

SUBJECT TITLE	BASIC NURSING
SUBJECT CODE	Theory:MA0111 Workshop:MA0112
SUBJECT TYPE	Mixed: Theory - Workshop
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	11(Theory 2, Workshop 9)
CREDIT POINTS	9
TYPICAL TEACHING SEMESTER	First

PURPOSE AND AIM OF THE SUBJECT

The nursing science belongs to the wider discipline of health sciences and it is dedicated to the human and his treatment, both in the disease and in his normal life.

The main aims of nursing are the promotion of well-being, the prevention of the disease, the restoration to health and the facilitation of facing a health problem.

By the completion of the subject the students:

1. Are familiarized with the nursing terminology
2. Recognize the basic nursing problems and make nursing diagnosis
3. Know the basic principles and skills of the nursing care
4. Have been introduced to the basic principles of the specialized nursing techniques and interventions.

SUBJECT DESCRIPTION

Theory

- ❖ Introduction to the basic meanings: health, disease, prevention, health education, basic human needs, hospital, nursing science, health systems, structure and functioning of the Greek Health System.
- ❖ Holistic approach of the patient, taking and record of nursing background, assessment of health.
- ❖ Introduction to Nursing Theories, Nursing procedure.
- ❖ Special techniques: vital points.
- ❖ Infections: Basic principles of sterilization, of antisepsis, of disinfection. Prevention and dissemination of hospital infections.

- ❖ Principles of medicines administration, evaluation of pharmaceutical background, assessment of the patient's answer to medicines.
- ❖ Blood and blood products transfusion.
- ❖ Basic principles of oxygentherapy.
- ❖ The process of communicating, therapeutic communication techniques, teaching and training of the patient.
- ❖ Taking care of a wound- care of a bedridden patient, prevention and taking care of lying downs.
- ❖ Self-consciousness, stress, loss and death confrontation.
- ❖ Activity – Rest – Sleep – Comfort – Safety of the patient.
- ❖ Nutrition and feeding of patients.

Workshop

- ❖ Patient admission to hospital, ward preparation, laying a bed.
- ❖ Body mechanics, appropriate bed position of the patient, transport and getting up position.
- ❖ Body sanitation.
- ❖ Taking and record of vital points.
- ❖ Body systems assessment.
- ❖ Basic principles of sterilization, of antisepsis, of disinfection.
- ❖ Emptying of urinary bladder.
- ❖ Emptying of intestine.
- ❖ Use of epispastics.
- ❖ Basic principles of oxygentherapy.
- ❖ Presurgical education.
- ❖ Postoperative education.
- ❖ Principles of medicines administration.
- ❖ Medicines dissolution technique for parenteral administration.
- ❖ Intramuscular, hypodermic, subcutaneous medicines administration.
- ❖ Pricking of veins, intravenous liquids and medicines administration.
- ❖ Blood and blood products transfusion.
- ❖ Taking care of a surgical injury.
- ❖ Prevention and taking care of lying downs.
- ❖ Application of rhinogastric tube.

REFERENCES:

1. **Θεμελιώδεις Αρχές της Νοσηλευτικής, Τόμος I, II, III.** C. Taylor. Εκδόσεις Πασχαλίδης, 2006, Αθήνα.
2. **Παθολογική και Χειρουργική Νοσηλευτική.** Μαρία Πάνου, Άννα Σαχίνη-Καρδάση. Εκδόσεις Βήτα, 1997, Αθήνα.
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4. **Βασικές Αρχές και Δεξιότητες της Νοσηλευτικής Φροντίδας.** SUSAN C.D.E. WIT., Εκδόσεις Λαγός,

2001, Αθήνα.

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7. **Νοσηλευτικές Θεωρίες.** M. McEwen, E. Wills. Εκδόσεις ΒΗΤΑ, 2004, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	GENERAL ANATOMY
SUBJECT CODE	Theory: MA0121, Workshop: MA0122
SUBJECT TYPE	Mixed: Theory - Workshop
SUBJECT CATEGORY	MGY
WEEKLY TEACHING HOURS	5 (Theory 1, Workshop 4)
CREDIT POINTS	4
TYPICAL TEACHING SEMESTER	First

PURPOSE AND AIM OF THE SUBJECT

Anatomy constitutes the base of medicine, of obstetrics as well as nursing. Within the subject of anatomy we study the morphology and structure of the human body along with all those structural components which are visible either macroscopically or microscopically. As far as the teaching method is concerned basic methods are used main points of which are observation and creation of visible images rather than mere memorization.

SUBJECT DESCRIPTION

Theory

The subject matter includes the elements below:

- ❖ Cell, tissues, blood, networkendothelial system, skin.
- ❖ Sustentacular system
- ❖ Muscular system
- ❖ Respiratory system
- ❖ Circulatory system
- ❖ Digestive system
- ❖ Urinary system
- ❖ Genital system
- ❖ Nervous system, sensory organs
- ❖ Endocrine glands

REFERENCES:

1. **GRAY'S Ανατομία.** Richard L. Drake, Wayne Vogl, Adam W. M. Mitchell. Εκδόσεις Πασχαλίδη, 2007, Αθήνα.
2. **Η Ανατομική του Ανθρώπου.** Κακλαμάνης Ν., Καμμάς Α..Εκδόσεις Μ. EDITION, 1998.
3. **Στοιχεία Ανατομικής του Ανθρώπου.** Χατζημπούγιας Ι. Εκδόσεις GM DESIGN, 2007.
4. **Ανατομική Βασικές Γνώσεις.** Πισίδης Α. Εκδόσεις ΛΥΧΝΟΣ.
5. **Ανατομία.** Platzer F. Εκδόσεις Πασχαλίδης, 2008, Αθήνα.
6. **Ανατομική, Κείμενο και Άτλαντας, Ελληνικοί και Λατινικοί όροι.** 5^η Νέα επεξεργασμένη & συμπληρωμένη έκδοση. Lippert. Παρισιάνος. 1993. Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	PHYSIOLOGY
SUBJECT CODE	MA0131
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MGY
WEEKLY TEACHING HOURS	4 (Theory 4)
CREDIT POINTS	6.5
TYPICAL TEACHING SEMESTER	First

PURPOSE AND AIM OF THE SUBJECT

Topic and aim of the subject is the study of the function of all the organs and systems of the human constitution.

SUBJECT DESCRIPTION

The subject matter of the subject includes the basic units below:

- ❖ Basic principles of the function of the human organism, cellular physiology.
- ❖ Blood physiology, acidbase balance, principles of the function of the immunity system.
- ❖ Cardiovascular system physiology
- ❖ Respiration physiology
- ❖ Digestive system, metabolism and thermoregulation physiology.
- ❖ Urinary system function, water-salts balance regulation.
- ❖ Reproduction physiology
- ❖ Principles of the endocrine function of the constitution.
- ❖ Neuromuscular system and sensory organs physiology.

REFERENCES:

1. **Συνοπτική φυσιολογία του Ανθρώπου**, Mc Geown J. Εκδόσεις Πασχαλίδης, 2006, Αθήνα.
2. **Άτλας Βασικών Ιατρικών Επιστημών – Φυσιολογία του ανθρώπου**. Netter F. Εκδόσεις Πασχαλίδης, 2006, Αθήνα.
3. **Φυσιολογία του Ανθρώπου I,II,III**, Πλέσσας Σ. Εκδόσεις Φάρμακον-Τύπος, 1998, Αθήνα.
4. **Φυσιολογία I,II**. Ε. Καννέλος - Μ. Λυμπέρη, Εκδόσεις Λύχνος, Αθήνα.
5. **Φυσιολογία του Ανθρώπου**. GAYTON A.& Hall J.E, Ευαγγέλου Α. Επιμέλεια – Μετάφραση Εκδόσεις Παρισιάνος, 2008, Αθήνα.
6. **Στοιχεία Ανατομίας και Φυσιολογίας του Ανθρώπου**. Τσουντας. Εκδόσεις Λίτσας, 2007, Αθήνα.
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8. **Φυσιολογία του Ανθρώπου**. Vander A. Εκδόσεις Πασχαλίδης, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	MICROBIOLOGY
SUBJECT CODE	MA 0141
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MFY
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	First

PURPOSE AND AIM OF THE SUBJECT:

Topic and aim of the subject is on the one hand to introduce students in the basic knowledge and principles of microbiology and on the other hand to offer them the capability of studying the main pathogenetic microorganisms, especially the germs and the genital and urinary system infections.

SUBJECT DESCRIPTION:

Theory:

- ❖ Basic Microbiology principles
- ❖ Germs and infections
- ❖ Biochemistry of the germ world
- ❖ Microscopic observation
- ❖ Structure – Biosynthesis – Development – Development control – Genetics of pathogenetic for human microorganisms.
- ❖ Classification of microorganisms
- ❖ Study of clinical problems
- ❖ Basic principles and mechanisms of infections pathogenesis
- ❖ Immunity and its disorders
- ❖ Antimicrobial medicines
- ❖ Urinary and genital system infections
- ❖ Sexually transmitted diseases – Preventive measures
- ❖ Environmental microbiology
- ❖ Patients approach

REFERENCES:

1. **Γενική Μικροβιολογία.** Καλκάνη-Μπουσιάκου Ε. Εκδόσεις ΕΛΛΗΝ, 2006, Αθήνα.
2. **Ιατρική Μικροβιολογία Ι - Βακτηριολογία.** Πόγγας Ν. Εκδόσεις Οδυσσέας.
3. **Γενική Μικροβιολογία.** Μπεζιρτζόγλου Ε. Εκδόσεις Παρισιάνος, 2005, Αθήνα..
4. **Εισαγωγή στην κλινική μικροβιολογία και τα λοιμώδη νοσήματα.** Δημητρακόπουλος Γ. Εκδόσεις Πασχαλίδη, Αθήνα.
5. **Εισαγωγή στη Μικροβιολογία, Τόμος Ι, ΙΙ.** Gerard J. Tortora, Berdell R. Funke, Christine L. Case, Εκδόσεις Πασχαλίδη, 2009, Αθήνα.
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7. **Κλινική Μικροβιολογία και Λοιμώξεις.** Χριστάκης, Λεγάκης, Εκδόσεις Παρισιάνος, 2002, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	BIOLOGY OF DEVELOPMENT - GENETICS
SUBJECT CODE	MA0151
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MFY
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	First

PURPOSE AND AIM OF THE SUBJECT:

Aim of the subject is the comprehension of the molecular mechanisms of the development of organisms from the stage of zygote to the stage of birth. Also the subject aims at the familiarization of the student with the basic concepts of genetics and the apprehension of the basic rules that govern heredity and the way of diversity creation.

SUBJECT DESCRIPTION:

Theory

- ❖ General principles of developmental biology
- ❖ Oogenesis – Spermatogenesis – Insemination
- ❖ Early stages of development
- ❖ Determination and differentiation
- ❖ Inductive interactions in drossophyla, fibrous worm, sea urchin, frog, birds and mammals
- ❖ Development of the nervous system
- ❖ Development and communication of plant cells
- ❖ Planthormones and development
- ❖ Developmental procedures that are controlled by the dominant centres of the plant
- ❖ Introduction to genetics
- ❖ Laws of Mendel and implications
- ❖ Chromosomal theory of heredity
- ❖ Sex-related heredity and sex determination
- ❖ Environmental effect on genotype – phenotype concept

- ❖ Natural mutations creation mechanisms
- ❖ Epichiasms
- ❖ Genital code
- ❖ Cytogenetics – structural and arithmetical chromosomal mutations
- ❖ Genealogical trees
- ❖ Genetic diseases
- ❖ The human genome
- ❖ Genetic advice
- ❖ Antenatal screening

REFERENCES:

1. **Συνοπτική κυτταρική βιολογία, Εισαγωγή στη μοριακή Βιολογία**, Αικ. Χάρβαλου & Συνερ/τες, Εκδόσεις Πασχαλίδης, 2002, Αθήνα.
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3. **Βιολογία κυττάρου**. Β. Μαρμαράς & Μ. Λαμπροπούλου – Μαρμαρά, Εκδόσεις Χατζηιωάννου, 1995, Πάτρα.
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SUBJECT OUTLINE

SUBJECT TITLE	EPIDEMIOLOGY
SUBJECT CODE	MA0161
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MGY
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	First

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to comprehend the basic concepts of the based on presumptions public hygiene – epidemiology, taking into consideration not only the practices and the revitalization measures, but also attempting the control and the management of the big danger factors of public health.

SUBJECT DESCRIPTION:

Theory

- ❖ History, basic principles and definitions of epidemiology
- ❖ Practical applications of epidemiology
- ❖ Unhealthiness and Mortality measures. Indicators, epipolasm and Effect
- ❖ Face – time – place characteristics
- ❖ Design of epidemiological researches and studies (ecological, synchronic, perspective-retroactive, experimental etc)
- ❖ Preventive measures - Assessment
- ❖ Clinical epidemiology
- ❖ Presymptomatic commune control
- ❖ Primary prevention measures
- ❖ Infectious diseases epidemiology
- ❖ Infection sources
- ❖ Confrontation methods
- ❖ Immunization methods – Vaccinations
- ❖ Environment and health
- ❖ Molecular and genetic epidemiology
- ❖ Psychological and social epidemiology

REFERENCES:

1. **Εισαγωγή στη σύγχρονη Επιδημιολογία.** Ahlbom A., Norell, 1992, Εκδόσεις Λίτσας, Αθήνα.
2. **Επιδημιολογία και Δημόσια Υγεία.** Robert H. Friis, Thomas A. Sellers, 2004, Εκδόσεις Πασχαλίδη, Αθήνα.
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6. **Επιδημιολογία I.** Σπάρος Δ, Γαλάνης Π., Ζάχος Ι., Τσιλίδης Κ. Εκδόσεις ΒΗΤΑ, 2004, Αθήνα.
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SUBJECT OUTLINE

SUBJECT TITLE	PATHOLOGICAL – SURGICAL NURSING
SUBJECT CODE	Theory: MA0211, Workshop:MA0212
SUBJECT TYPE	Mixed: Theory - Workshop
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	13 (Theory 4, Workshop 9)
CREDIT POINTS	11.5
TYPICAL TEACHING SEMESTER	Second

PURPOSE AND AIM OF THE SUBJECT:

Aim of the subject is to offer to the students all the necessary knowledge, skills and abilities of pathological-surgical nursing, thus to be able later to offer the appropriate and due nursing care as the case may be, to patients who suffer either from special pathological conditions of the several systems of human or have come out in neoplastic diseases, have been operated or are going to be operated.

SUBJECT DESCRIPTION:

Theory

- ❖ Introduction to Pathological – Surgical Nursing
- ❖ Draft – plan of nursing care
- ❖ Nursing care of patients in pain and patients who are going to be operated
- ❖ Postoperative complications and health restoration
- ❖ Presurgical and postoperative psychological support of the patient
- ❖ Prevention and cure of endohospital diseases
- ❖ Complications of arterial and venous lines catheterization
- ❖ Electrolytes and acid-base balance disorders
- ❖ Nursing interventions in patients with respiratory problem (acute bronchitis, pneumonia, tuberculosis, chronic obstructive pneumopathy, bronchial asthma, chronic bronchitis, emphysema)
- ❖ Nursing interventions in patients with digestive system diseases (gastroesophageal reflux, gastritis, digestive ulcer, irritable intestine, gastroenteritis, ileus)
- ❖ Nursing interventions in patients with circulatory problem
- ❖ Nursing interventions in patients with hepatitis, cirrhosis, cholelithiasis and pancreatitis.

- ❖ Nursing interventions in patients with endocrine glands and metabolism diseases (diabetes, super-hypothyroidism)
- ❖ Blood disorders (anaemia, haemophilia, leukaemia, glandular fever)
- ❖ Nursing interventions in patients with allergic conditions (allergic shock)
- ❖ Nursing interventions in patients with burns

Workshop

- ❖ Admission of a patient to a clinic. Settling in the ward and in bed
- ❖ Taking of nursing background. Individual care of patient
- ❖ Working out of a nursing care plan
- ❖ Medical visit attendance
- ❖ Clinical examination of a patient (overview, auscultation, palpation, percussion)
- ❖ Taking of vital points
- ❖ Presurgical patient preparation
- ❖ Receipt of a patient from the operation theatre
- ❖ Taking care of a surgical or other injury or a burn. Prevention of infections
- ❖ Carrying out an electrocardiogram
- ❖ Diabetes measurement. Administration of insulin. Hydration and taking care of diabetic leg
- ❖ Setting of phlebocatheter. Application of a drip
- ❖ Administration of medicines in various ways
- ❖ Blood drawing. Laboratory control. Blood gases, assessment of results
- ❖ Administration of oxygen in various ways. Use of nephelomization mask. Putting the patient in a Fowler, semi-Fowler position
- ❖ Parenteral feeding
- ❖ Application of urinary bladder catheter
- ❖ Application of rhinogastric catheter. Fixing and looking after
- ❖ Blood transfusion
- ❖ Patient preparation for diagnostic examinations (gastroscopy and spirometry)

REFERENCES:

1. **Παθολογική και Χειρουργική Νοσηλευτική.** Ignudavicius D., Workman L. Εκδόσεις ΒΗΤΑ, 2008, Αθήνα.
2. **Παθολογική και Χειρουργική Κλινική Νοσηλευτική.** Αθανάτου Ε., 1995, Αθήνα.
3. **Νοσηλευτική Διαγνωστική και Κλινική Πρακτική.** Gettrust K.V., Bradec P.D, Εκδόσεις ΕΛΛΗΝ, 2000, Αθήνα.
4. **Παθολογική – Χειρουργική Νοσηλευτική. Κριτική σκέψη κατά τη φροντίδα του ασθενούς.** Επιμέλεια: Παναγουδάκη-Μπροκαλάκη Η. Τόμοι 1^{ος}, 2^{ος}, 3^{ος}, 4^{ος}. Γ' Έκδοση. Εκδόσεις ΛΑΓΟΣ, 2006, Αθήνα.
5. **Παθολογική και Χειρουργική Νοσηλευτική.** Σαχίνη-Καρδάση Α., Πάνου Μ. Τόμοι 1^{ος}, 2^{ος}, 3^{ος}. Β' Έκδοση. Εκδόσεις ΒΗΤΑ. 1997, Αθήνα.
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7. **Βασικές Αρχές και Δεξιότητες της Νοσηλευτικής**, De Witt S.C., 2001, Εκδόσεις ΛΑΓΟΣ. Αθήνα.
8. **Dewit - Παθολογική – Χειρουργική Νοσηλευτική Τόμοι Ι, ΙΙ**. Εκδόσεις Πασχαλίδη.

SUBJECT OUTLINE

SUBJECT TITLE	PATHOLOGY PRINCIPLES - NOSOLOGY
SUBJECT CODE	MA0221
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MFY
WEEKLY TEACHING HOURS	4 (Theory 4)
CREDIT POINTS	6
TYPICAL TEACHING SEMESTER	Second

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is to offer to students special knowledge of Pathology, thereby they are able to recognize the nosological entities and to know the causes, the symptomatology and the clinical image of every disease. Also to acquire the ability to evaluate the laboratory findings, to apply the right method of clinical exam and the proper therapeutic form, as well as to suggest the required preventive measures.

SUBJECT DESCRIPTION:

Theory

- ❖ Introduction to Pathology. Typical clinical problems
- ❖ Basic concepts-definitions: Inflammation, degeneration, apoptosis, necrosis, atrophy, olopeesis, apotitanosis, hypertrophy, hyperplasia, neoplasia, canceration, metastasis, percolation, dysplasia, ectopia, hyperaemia, congestion, ischaemia, heart attack, thrombosis, embolism, agenesis, transplant
- ❖ Respiratory system diseases (Respiratory insufficiency, chronic obstructive pulmonary disease, chronic bronchitis, pulmonary emphysema, bronchial asthma, pleurisy, pneumothorax, bronchiectasis, pulmonary embolism etc)
- ❖ Main infectious diseases (hepatitis, herpes zoster, glandular fever, meningitis, tuberculosis, mycosis, broucelosis, salmonellosis etc)
- ❖ Sexually contagious diseases (AIDS, gonorrhoea, syphilis etc)
- ❖ Urinary system diseases (urination disorders, renal insufficiencies, cystitis, infections of the urinary system, urolithiasis, urithritis, neoplasias etc)
- ❖ Immunity system diseases (self-immune diseases, aphilaxia etc)

- ❖ Joints diseases
- ❖ Sight disorders
- ❖ Skin diseases (eczema and other typical skin diseases, psoriasis, pruritus, alopecia etc)
- ❖ Digestive system diseases (ulcer, disabsorption syndrome, irritable large intestine, ulcerous colitis, diseases of liver and bile, diseases of pancreas, malignancies)
- ❖ Metabolism disorders-endocrinological disorders (diabetes, thyroid disorders, obesity, Cushing syndrome, metabolic syndrome etc)
- ❖ Blood disorders (anaemias, haemoglobin diseases, leukaemias, coagulation disorders, DEC, haemophilias)
- ❖ Circulatory system disorders (hyperlipidaemia, hypertension, coronary heart disease, shock, heart failure, acute pulmonary oedema, myocardium diseases, valve diseases, arrhythmias etc)
- ❖ Rheumatic diseases (self-immune diseases, rheumatoid arthritis, osteoarthritis, osteoporosis)
- ❖ Main CNS disorders:(strokes-epilepsy)

REFERENCES:

1. **Παθολογία I.** Runge M., Greganti A. Τόμοι I, II. Εκδόσεις Πασχαλίδη, 2006, Αθήνα.
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3. **Παθολογία.** Netter F., 2006, Εκδόσεις Πασχαλίδης, Αθήνα.
4. **Oxford Handbook Κλινικής Ιατρικής.** Hope R.A., Longmore J.M., Mc Manous, Wood-Allum C.A., 2002, Εκδόσεις Λίτσας, Αθήνα.
5. **Ειδική Νοσολογία .** Γαρδίκας Κ., Εκδόσεις Παρισιάνος, Αθήνα
6. **Toohey's Εσωτερική Παθολογία .** Εκδόσεις .Παρισιάνος, Αθήνα.
7. **Επίτομη εσωτερική παθολογία.** Φερτάκης Α. Εκδόσεις Πασχαλίδη, 1996, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	OBSTETRICS - GYNAECOLOGY
SUBJECT CODE	MA0231
SUBJECT TYPE	Theory
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	4 (Theory 4)
CREDIT POINTS	6
TYPICAL TEACHING SEMESTER	Second

PURPOSE AND AIM OF THE SUBJECT:

The subject offers students the opportunity to acquire knowledge concerning the anatomy of the woman genital system, its benign diseases and birth rate disorders. Also students are initiated into the application of diagnostic and intervention techniques that are used in gynaecology and furthermore they learn to recognize and face common and simple problems during pregnancy. Finally they are prepared to practice advisory prevention and contraception.

SUBJECT DESCRIPTION:

Theory

- ❖ Taking of obstetric background
- ❖ Basic knowledge of molecular and cellular biology in gynaecology
- ❖ Embryology, anatomy and physiology of the woman genital system
- ❖ The menstrual circle (normal and disorders)
- ❖ Birth rate control (contraception, sterilization, abortion)
- ❖ Sub-birth rate (epidemiology, causes of man and woman sub-birth rate, cure, supported conception)
- ❖ Premature conception disorders (displaced, miscarriage, pregnancy trophoblastic disorders)
- ❖ Congenital woman genitals disorders (ovisaculation disorders, menstruation disorders)
- ❖ Benign diseases of the vulva, the vagina, the cervix, the womb, the accessories
- ❖ Malignant diseases of the of the vulva, the vagina, the womb, the cervix and the ovaries, Papanikolaou Test

- ❖ Premenstrual syndrome, dysmenorrhoea
- ❖ Polycystic ovaries syndrome
- ❖ Endometriosis and adenomiosis
- ❖ Pelvic ground disorder (womb-vagina prolapsed, cystocele, orthocele, enterocele)
- ❖ Urinogynaecology
- ❖ Gynaecological infections. Sexually contagious diseases (chlamydiae infection, fungal vulvovaginitis, trichomonadic infection, gonococcus infection, syphilis, condylomas virus, genital system herpes, HIV, AIDS)
- ❖ Gynaecology of childhood - puberty
- ❖ Climacteric – menopause
- ❖ Screening methods in gynaecology
- ❖ Breast anatomy and physiology
- ❖ Benign diseases of the breast
- ❖ Psychogynaecology
- ❖ Moral, legal and medical issues in gynaecology

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SUBJECT OUTLINE

SUBJECT TITLE	SURGERY
SUBJECT CODE	MA0241
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MFY
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3
TYPICAL TEACHING SEMESTER	Second

PURPOSE AND AIM OF THE SUBJECT:

Aim of the subject is the acquisition of modern and practical knowledge, the familiarization with the basic diagnostic and therapeutic rules and the apprehension of the methodology of general surgery. Purpose of the subject is also the clarification of the basic parameters that play a significant role in everyday surgical practice. Moreover, the attachment of the basic knowledge in handling polytraumatized people and in cardiorespiratory revival is achieved. Central aim of the subject is the student to acquire the necessary basic knowledge and the documented methodological thought, thereby to actively participate in everyday surgical practice.

SUBJECT DESCRIPTION:

Theory

- ❖ Basic concepts and principles of General Surgery
- ❖ Preparation of a patient for operation
- ❖ Operation, operational incisions
- ❖ Postoperative monitoring and treatment, surgical care
- ❖ Fluids – electrolytes balance
- ❖ Postoperative complications, surgical inflammation
- ❖ Trauma and healing, reaction to trauma
- ❖ Precautionary antibiotics administration, precautionary anticoagulant treatment

- ❖ Analgesic treatment of postoperative pain
- ❖ Primary handling of a polytraumatized person
- ❖ Thyroid and parathyroid diseases and surgery
- ❖ Breast diseases and surgery (inadenoma, endavliac papilloma, breast cancer)
- ❖ Operations of the digestive system (oesophagus, stomach, duodenum, small intestine, large intestine, orthoanal tube, liver, biliaries, pancreas etc)
- ❖ Operations of the urinary system
- ❖ Endoscopic surgery – Screening methods

REFERENCES:

1. **Χειρουργική Παθολογία.** Μπονάτσος Γ., Κακλαμάνος Ι., Γολεμάτης Β., Εκδόσεις Πασχαλίδης, 2006, Αθήνα.
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SUBJECT OUTLINE

SUBJECT TITLE	CLINICAL BIOCHEMISTRY
SUBJECT CODE	MA0251, MA0252
SUBJECT TYPE	Mixed: Theory - Workshop
SUBJECT CATEGORY	MGY
WEEKLY TEACHING HOURS	3 (Theory 2, workshop 1)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	Second

PURPOSE AND AIM OF THE SUBJECT:

Aim of the subject is the students to acquire basic knowledge of Clinical Biochemistry and to apply it in practice.

SUBJECT DESCRIPTION:

Theory

- ❖ Introduction to Clinical Biochemistry
- ❖ Biochemical-haematological-immunological parameters and their importance in clinical practice
- ❖ Proteins-chemical structure and chemical behaviour, electrification
- ❖ Enzymes-enzymatic reactions activity
- ❖ Lipids-lipoproteins. Lipid profile determination and its importance in diagnosis
- ❖ Cancerous indicators and their importance in clinical practice
- ❖ Hormones, vitamins, trace elements

Workshop

- ❖ Reagents, dispensable, apparatuses and meters of a biochemical laboratory
- ❖ Preparation of solutions. Dilution of solutions

- ❖ Exercises of solutions concentration determination. Different measurement units
- ❖ Determination and evaluation of biochemical-haematological and immunological parameters
- ❖ Quality control, quality securing in health units laboratories

REFERENCES:

1. **Κλινική Χημεία . Δοκιμασίες και Τεχνικές.** Karlan A. Εκδόσεις Πασχαλίδης, 2003, Αθήνα.
2. **Θεωρία Κλινικής Χημείας.** Φύτου – Παλληκάρη Α. Εκδόσεις Λύχνος, Αθήνα.
3. **Επιλεγμένα Θέματα Θεωρίας Κλινικής Χημείας.** Φύτου – Παλληκάρη Α. Εκδόσεις Λύχνος, Αθήνα.
4. **Ιατρική Βιοχημεία.** Καλοφούτης Α. Θ., Σέκερης Κ. Ε. Εκδόσεις Πασχαλίδη, 2000, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	PHARMACOLOGY
SUBJECT CODE	MA0311
SUBJECT TYPE	Theory
SUBJECT CAREGORY	MFY
WEEKLY TEACHING HOURS	3 (Theory 3)
CREDIT POINTS	4.5
TYPICAL TEACHING SEMESTER	Third

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire knowledge concerning the filing, the classification, the composition, the production, the administration and the action of medicines, as well as to realize the interaction mechanisms and factors (circulation, absorption, excretion, hypersensitivity, age, cumulative attribute etc) between a medicine and a receiver. Furthermore, by the completion of the subject the students will be able to know the dosage, the instructions for use, the toxicity, the side effects and the incompatibility of medicines to each patient.

SUBJECT DESCRIPTION:

Theory

- ❖ Introduction to pharmacology, basic principles of pharmaceutical action
- ❖ Terminology and classification of medicines
- ❖ Pharmacogenetics, pharmacomobility and pharmacodynamics
- ❖ Forms and ways of medicines administration. Advantages and disadvantages of the different ways of administration
- ❖ Doses calculation, dilution and dissolution of medicines
- ❖ Undesirable effects of medicines-Addiction
- ❖ Pharmacotherapy in young and elderly people

- ❖ Pharmacotherapy of reproduction procedure
- ❖ Interactions of medicines
- ❖ Medicines of the central nervous system (sympathetic-adrenalines, parasympathetic-atropines). Soothings of the CNS, anaesthetics, antiepileptics, antipsychotics, action mechanisms
- ❖ Pharmacotherapy of diseases principles. Antibiotics. Antibiotics against anaerobic microorganisms. Doses calculation. Medicines against mycosises and viroues.
- ❖ Medicines which affect cardiovascular system (angina, arrhythmias, heart failure, hypertension, blood coagulation, dyslipidaemias, atheroma etc)
- ❖ Medicines which affect the digestive system (antiacid, antiemetic, antidiarrhoeal, against constipation, spasmolytic etc)
- ❖ Anti-inflammatory analgesics. Cortisone. Narcotic analgesics
- ❖ Medicines related to endocrine glands. Hypophysis hormones, thyroid hormones. Preparations which are related to the function of parathyroid glands. Preparations which are related to the hormones of the cortex of the adrenal glands. Pancreas hormones, insulin. Genital hormones
- ❖ Urinary system medicines. Pharmaceutical nephrotoxicity
- ❖ Medicines which affect the respiratory system
- ❖ Medicines which affect haemopoiesis
- ❖ Antineoplastic medicines of targets. Medicines against abnormalities related to genes
- ❖ Promoting easy birth, metroconvulsive, prostagladines
- ❖ Vitamines Fe, Ca, Mg
- ❖ Medicines and pregnancy, delivery, breast feeding
- ❖ Legislation-Prescription-Making up a prescription

REFERENCES:

1. **Κλινική Φαρμακολογία.** Τσόχας Κ., Χατζηχρήστου Ε. Εκδόσεις Λύχνος, 2005, Αθήνα.
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9. **Oxford Textbook of clinical Pharmacology.** Graham- Smith, Aronson, 2001.

SUBJECT OUTLINE

SUBJECT TITLE	GYNAECOLOGICAL NURSING CARE
SUBJECT CODE	Theory:MA0321 Workshop:MA0322
SUBJECT TYPE	Mixed: Theory, Workshop
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	10 (Theory 4, Workshop 6)
CREDIT POINTS	10
TYPICAL TEACHING SEMESTER	Third

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire all the principles of theoretical and practical approach and care of a patient with gynecological diseases. Moreover, to be able to realize the basic nursing skills and interventions, as well as to organize and apply the proper gynecological nursing care on patients with every kind of diseases of the genital system and of the breast and to proceed to preventive controls for the prompt diagnosis of the malignances of the genital system and of the breast.

OUTLINE:

Theory

- ❖ Introduction to gynecological nursing care
- ❖ Organisation and working of a gynecological surgery
- ❖ Taking of gynecological background
- ❖ Planning and implementation of gynecological nursing plan
- ❖ Preparation , psychological approach and clinical gynecological exam techniques
- ❖ Woman genital system and breast physiology
- ❖ Woman genital system and breast anatomy
- ❖ Woman genital system and breast pathology
- ❖ Exam - self-exam of the breast

- ❖ Taking of vagina and cervix veneer technique for microbiological exam and according to Papanikolaou cytological exam
- ❖ Evaluation of the laboratory findings
- ❖ Dealing with emergencies (bleedings, acute pelvic pain etc)
- ❖ Preparation of a patient for diagnostic tests (colposcopy etc)
- ❖ Organisation and working of Teenage Gynecology, Menopause and Gynecological Urology surgery
- ❖ Nursing handling and care of gynecological diseases
- ❖ Presurgical nursing care of gynecological patients
- ❖ Postoperative nursing care of gynecological patients
- ❖ Advisory treatment of a woman for gynecological cancer prevention and self-care
- ❖ Psychological approach of a woman with a gynecological problem

Workshop

All students will practice clinically in nursing care of patients with gynecological diseases.

- ❖ Overview of the woman genital system
- ❖ Participation in taking of gynecological medical background
- ❖ Observation and evaluation of general condition of gynecological patients
- ❖ Preparation of surgical field and medication administration
- ❖ Surgical injury care
- ❖ Writing of a diet-Creation of a nutritional plan
- ❖ Taking of test PAP and vaginal fluid
- ❖ Advice
- ❖ Teaching and exercises implementation in breast operation
- ❖ Teaching and exercises implementation for perineum
- ❖ Preparation of a patient for diagnostic and therapeutic interferences

REFERENCES:

1. **Η γυναίκα και το νεογνό στην Πρωτοβάθμια Φροντίδα Υγείας.** Αντωνίου Ε., Βασιλάκη Ε., Βιβιλάκη Β., Ρωμανίδου Α., Ντάγκα,Δ., Σουρανάκη Ε., ΚεφαλογιάννηΑ., Λεονταράκη Ε. Εκδόσεις Πασχαλίδης, 2003, Αθήνα.
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SUBJECT OUTLINE

SUBJECT TITLE	PEDIATRICS
SUBJECT CODE	MA0331
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3
TYPICAL TEACHING SEMESTER	Third

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to comprehend the physiology and natural development of the child and infant, as well as the major problems and diseases of childhood, so that they recognize the need for the child's promotion and their examination by a pediatrician. Aim of the subject is the students to acquire the ability to recognize the pathological conditions and therefore to contribute in the better facing of the symptoms and overall in the best care of patients.

OUTLINE:

Theory

- ❖ Introduction to Pediatrics
- ❖ Heredity-Genital diseases
- ❖ Nutrition-Infant development
- ❖ Upbringing-Abused child
- ❖ Immunity-Infant, toddler, child vaccination
- ❖ Fever, accidents, poisonings
- ❖ Infectious diseases. AIDS
- ❖ Skin diseases. Exanthematous diseases
- ❖ Diseases and systems
- ❖ Malignancies
- ❖ Psychology and psychological problems

REFERENCES:

1. **Βασική Παιδιατρική Nelson.** Behrman, Kliegman. Εκδόσεις Λίτσας, 2002, Αθήνα.
2. **Παιδιατρική.** Ματσανιώτης, Καρπάθιος, Εκδόσεις Λίτσας. 2005, Αθήνα.
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SUBJECT OUTLINE

SUBJECT TITLE	PEDIATRIC NURSING CARE
SUBJECT CODE	Theory: MA0341, Workshop: MA0342
SUBJECT TYPE	Mixed: Theory, Workshop
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	6 (Theory 2, Workshop 4)
CREDIT POINTS	5.0
TYPICAL TEACHING SEMESTER	Third

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the student to know the pathological conditions of all the systems of child constitution, to recognize the problems of an ill child, to evaluate the significance of the situation, to build the corresponding nursing plan and to implement the requisite pediatric nursing care.

OUTLINE:

Theory

- ❖ Introduction to Pediatric Nursing. Children development features. Children nursing care
- ❖ Differences in the way of nursing between an ill child and an adult
- ❖ The role of communication with the child in their nursing care
- ❖ Nursing care of children with children psychosocial problems (anorexia nervosa, bulimia, autism, burns, child abuse and neglect, depression, short development, self-destructive behavior)
- ❖ Ill children nutrition
- ❖ Medicines administration to children
- ❖ Laboratory diagnostic exams to children. Sampling of secretions for examination
- ❖ First aid provision to children in danger (suffocation, allergic shock, accidents, poisonings etc). Prevention

- ❖ Nursing care of feverish diseases
- ❖ O₂ administration. Inhalations
- ❖ Nursing care of infants and children with acute diseases
- ❖ Nursing care on infections and infectious diseases (measles, mumps, varicella, etc) Vaccines
- ❖ Nursing care of children with respiratory system diseases (asthma, bronchiolitis, bronchopulmonary dysplasia, laryngitis, pneumonia, tuberculosis etc)
- ❖ Nursing care of children with digestive system diseases (biliary atresia, hepatitis, intestine inflammations, congenital megacolon, pyloric stenosis, tracheoesophageal fistula, vomiting and diarrhea)
- ❖ Nursing care of children with urinary system diseases
- ❖ Nursing care of children with cardiovascular system diseases (congenital heart diseases, arrhythmias, heart failure)
- ❖ Nursing care of children with immune system diseases (acquired immunodeficiency syndrome-AIDS, hemophilia, sickle cell anemia)
- ❖ Nursing care of children with nervous system diseases (traumatic brain injuries, hydrocephalus, intraventricular hemorrhage, meningitis, posterior-basilar meningocele, spinal cord injury)
- ❖ Nursing of children at home

Workshop

- ❖ Organisation and working of pediatric department and surgery
- ❖ Treatment of all the pathological conditions related to the threatened health of child
- ❖ Clinical practice on the below:
 - Respiratory tract control
 - Taking of vital points
 - Oximetry
 - Measurement of blood sugar
 - Temperature measurement
 - Oxygen administration by nasal stopcock or face mask
 - Suction of secretions
 - Placing with elevated head and chest
 - Physiotherapy
 - Medication administration according to the doctor's instructions
 - Fluids administration (intravenously and per-os)
 - Measurement of blood pressure
 - Skin changes control
 - Monitoring of cardiovascular function on a screen
 - Recording and control of fluids balance
 - Milk, juice and sweet administration in hypoglycemia

- Insulin administration in hyperglycemia.
- Demonstration to parents and child of the way of insulin administration
- Exercise of child
- Teaching of the way of pressure application on injury or scratch
- Ice placement
- Taking of laboratory control of VIII and PTT factor
- Everyday weighing of child
- Informing of parents about proper hydration of child
- Thorough observation of bleeding points
- Orthostatic hypotension control
- Fluids balance control
- Informing parents about the significance of right diet of child (calories, proteins)
- Observation of the structure and composition of faeces (black colour, blood)
- Placement of venous line and serum administration
- Laboratory observation of electrolytes
- Discussion with the child. Ways of their self-esteem reinforcement
- Regular feeding of child. Training of parents in right holding of child
- Observation and recording of nausea and vomiting

REFERENCES:

1. **Παιδιατρική Νοσηλευτική.** Speer K. M., Pixler S. L., Schmidt C. K. Εκδόσεις ΕΛΛΗΝ, 1999, Αθήνα.
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SUBJECT OUTLINE

SUBJECT TITLE	OBSTETRICS I - PHYSIOLOGY OF PREGNANCY
SUBJECT CODE	MA0351
SUBJECT TYPE	Theory
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	3 (Theory 3)
CREDIT POINTS	4.5
TYPICAL TEACHING SEMESTER	Third

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire all the necessary knowledge concerning the reproduction procedure of woman and the observation and progress of pregnancy.

OUTLINE

Theory

- ❖ Obstetrics specialty
- ❖ Maternal and infant mortality
- ❖ Spermatogenesis, oogenesis
- ❖ Conception, implantation, embryology, anatomy and physiology
- ❖ Development and growth of fetus
- ❖ Prenatal screening and assessment of the condition of fetus
- ❖ Changes of physiology during pregnancy (diagnosis, adaptation of mother's constitution)
- ❖ Placenta, embryonic membranes, amniotic fluid (functions etc)
- ❖ Pregnancy observation, clinical-laboratory control
- ❖ Points of danger
- ❖ Recognition of high risk pregnancies, instructions

- ❖ Prenatal control: Indications, u/s, amniocentesis, amnioscopy, embryoscopy, CVS, omfalokentesis, preimplanting diagnosis, biochemical methods, cells in maternal circulation
- ❖ Cardiotocography basically (OCT – NST)
- ❖ Biophysical profile of fetus

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10. **Βασική Μαιευτική και Περιγεννητική Ιατρική.** Καρπάθιος Σ. Εκδόσεις ΒΗΤΑ, 1999, Αθήνα.
11. **Μαιευτική Γυναικολογία.** Smith R., Επιμέλεια Μαρούλης Γ. Εκδόσεις Πασχαλίδη, 2007, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	ANAESTHESIOLOGY
SUBJECT CODE	MA0361
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3
TYPICAL TEACHING SEMESTER	Third

PURPOSE AND AIM OF THE SUBJECT:

Aim of the subject is the students to apprehend the necessity of Anaesthesiology in Surgery and to comprehend the techniques and the methods of anaesthesiology, the function of the anaesthesiological machine, the action of anaesthesiological medicines and the perioperative evaluation of patient.

OUTLINE:

Theory

- ❖ The contribution of Anaesthesiology in Surgery
- ❖ Kinds of anaesthesia

- ❖ General anaesthesia. General intravenous anaesthesia
- ❖ Anaesthesia by volatile medicines
- ❖ Neuroliptanalgesia or Separating Anaesthesia
- ❖ Regional Anaesthesia. Exclusion of peripheral nerves
- ❖ Local percolation
- ❖ Intravenous regional anaesthesia
- ❖ Epidural anaesthesia. Intrathecal anaesthesia
- ❖ Preanesthesia
- ❖ Anaesthetic medicines
- ❖ Intravenous anaesthetics
- ❖ Opioids
- ❖ Gas and volatile anaesthetics
- ❖ Muscle relaxants
- ❖ Local anaesthetics
- ❖ Anaesthesia machines
- ❖ Recovery
- ❖ Postoperative pain
- ❖ Chronic pain-Treatment
- ❖ Dangers for the workers in surgery

REFERENCES:

1. **Αναισθησιολογία.** Γκιάλα Μ. Εκδόσεις University Studio Press. 2006. Θεσσαλονίκη.
2. **Αναισθησιολογία Ι – Αναισθησιολογία ΙΙ.** Παπαδημητρίου Α. Εκδόσεις Παρισιάνος, 1996, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	GYNAECOLOGICAL ONCOLOGY
SUBJECT CODE	MA411
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	3 (Theory 3)
CREDIT POINTS	4.5
TYPICAL TEACHING SEMESTER	Fourth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire general knowledge related to malignant diseases of the genital system and breast of woman, thereby contributing in their prevention, diagnosis and dealing with. Aim of the subject is the students to be initiated in the provision of the duly nursing care and advice to patients with genital system and breast cancer.

OUTLINE:

Theory

- ❖ Premalignant and malignant diseases of the vulva
- ❖ Premalignant and malignant diseases of the vagina
- ❖ Endoepithelial damages of the cervix
- ❖ Hyperplasia of endometrium
- ❖ Cancer of endometrium
- ❖ Sarcomas of womb
- ❖ Malignant diseases of the ovaries
- ❖ Malignant diseases of the fallopian tubes
- ❖ Surgical interventions in gynecological cancer
- ❖ Chemotherapy in gynecological cancer
- ❖ Radiotherapy in gynecological cancer
- ❖ Relieving therapy in gynecological cancer
- ❖ Malignant diseases of the breast

- ❖ Surgical interventions in breast cancer
- ❖ Hormonal therapy in breast cancer

REFERENCES:

1. **Βιβλίο Γυναικολογίας**. Ιατροάκης Γ. Εκδόσεις Δεσμός, 2006, Αθήνα,
2. **F. Netter - Μαιευτική και Γυναικολογία**. Roger P. Smith. Εκδόσεις Πασχαλίδης, 2007, Αθήνα.
3. **The Johns Hopnins Manual of Gynecology and Obstetrics**. Bankowski BJ, Hearne AE, Lambrou NC, Fox HE, Wallach EE (eds). Philadelphia, Lippincott Williams Wilkins, 2002.
4. **Novak's Gynecology. Philadelphia**. Berek JS (ed), Lippincott [Williams&Wilkins](#), 2002.
5. **Fundamentals of Obstetrics and Gynecology**. Oats J, Abraham S (eds), Edinburgh, Elsevier Mosby, 2005.

SUBJECT OUTLINE

SUBJECT TITLE	OBSTETRIC CARE OF PREGNANCY
SUBJECT CODE	Theory: MA0421 Workshop: MA0422
SUBJECT TYPE	Mixed: Theory - Workshop
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	8 (Theory 3, Workshop 5)
CREDIT POINTS	7.5
TYPICAL TEACHING SEMESTER	Fourth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire the necessary knowledge about the physiology of pregnancy and its complete observation and obstetric care.

OUTLINE:

Theory

- ❖ Pregnancy physiology. Biological changes during pregnancy
- ❖ Psychological changes during pregnancy
- ❖ Diagnosis: Clinical-laboratory
- ❖ Planning of observation (Clinical-laboratory- use of modern technology)
- ❖ Evaluation of observation findings
- ❖ Obstetric care-Counseling about diet-Hygiene-Relations
- ❖ Environment conditions-Habits
- ❖ Preparation for delivery
- ❖ Prevention of harmful factors (medicines-substances-smoking-alcohol etc)
- ❖ Diagnosis of pregnancy and pathology complications
- ❖ Slight pains related to pregnancy
- ❖ Dealing with slight pains related to pregnancy
- ❖ Twin pregnancy

Workshop

In the Outpatient Obstetric departments students practice:

- ❖ In observation and obstetric care of pregnant women
- ❖ They provide guidance and advice
- ❖ Evaluate the findings about the condition of health of pregnant woman- fetus

REFERENCES:

1. **Η γυναίκα και το νεογνό στην Πρωτοβάθμια Φροντίδα Υγείας.** Αντωνίου Ε., Βασιλάκη Ε., Βιβιλάκη Β., Ρωμανίδου Α., Ντάγκα,Δ., Σουρανάκη Ε., ΚεφαλογιάννηΑ., Λεονταράκη Ε. Εκδόσεις Πασχαλίδης, 2003, Αθήνα.
2. **Επιτομή Μαιευτικής και Γυναικολογικής Νοσηλευτικής.** Γεωργακόπουλος Π. Εκδόσεις Παρισιάνος, Αθήνα,
3. **Νοσηλευτική Μητρότητας.** Loedermilk DL & Perry SE, Maternity Nursing. Μετάφραση και Επιμέλεια Λυκερίδου Α. και Δελτσίδου Α. Εκδόσεις ΛΑΓΟΣ, 2006, Αθήνα.
4. **Βασικές Αρχές και Δεξιότητες της Νοσηλευτικής Φροντίδας.** De Witt S.C. Εκδόσεις ΛΑΓΟΣ, 2001, Αθήνα.
5. **Μαιευτική και Γυναικολογική Νοσηλευτική Φροντίδα.** Gulanick M., Gradishar D., Puzas M. K. Εκδόσεις ΕΛΛΗΝ, 2003, Αθήνα.
6. **Μαιευτική και Γυναικολογική Νοσηλευτική Φροντίδα.** Pappas A., Livingston J., Hpllingsworth A. Εκδόσεις ΕΛΛΗΝ, 1999, Αθήνα.
7. **Μαιευτική και Γυναικολογική Νοσηλευτική.** Shapiro P. J. Εκδόσεις ΕΛΛΗΝ, 2001, Αθήνα.
8. **Text Book for Midwives.** Myles M.F, Churchill Livingstone, 2004.
9. **Maternity & Women's Health Care.** Perry Bashion Lowdermilk. Mosby Elsevier, 2007.
10. **Informed Choice in Maternity Care.** Mavis Kirkham, Palgrave, 2004.
11. **High Risk Pregnancy & Delivery.** Stepp Gilbert E.– Smith Harmon J. Mosby, 2003.

SUBJECT OUTLINE

SUBJECT TITLE	OBSTETRICS II – PATHOLOGY OF PREGNANCY
SUBJECT CODE	MA0431
SUBJECT TYPE	Theory
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	3 (Theory 3)
CREDIT POINTS	4.5
TYPICAL TEACHING SEMESTER	Fourth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire all the necessary knowledge about pathological conditions concerning pregnancy, to recognize them for providing the appropriate obstetric care and to restrict their consequences.

OUTLINE:

Theory

- ❖ Harmful factors in pregnancy
- ❖ Embryonic impediment
- ❖ Hypertension disease
- ❖ Behind in development fetus
- ❖ Obstetric bleeding
- ❖ DEC (Diffused Endovascular Coagulation)
- ❖ Bleedings of the original half period of pregnancy
- ❖ Bleedings of the second half of pregnancy
- ❖ Premature birth
- ❖ Trophoblastic disease
- ❖ Prolongation of pregnancy
- ❖ Injuries during pregnancy

REFERENCES:

1. **Μαιευτική & Γυναικολογία, Τόμοι 1 & 2.** Campbell S., Lees C. Εκδόσεις Πασχαλίδη, 2009, Αθήνα.
2. **Μαιευτική & Γυναικολογία.** Κουμαντάκης. Εκδόσεις Πασχαλίδη, 2008, Αθήνα.
3. **Βιβλίο Γυναικολογίας - Μαιευτικής.** Ιατράκης Γ. Μ., Εκδόσεις Δεσμός, 2006, Αθήνα.
4. **Σύγχρονη Γυναικολογία και Μαιευτική.** Κρεατσάς Γ., Εκδόσεις Πασχαλίδη, 2000, Αθήνα.
5. **Επίτομος Μαιευτική και Γυναικολογία.** Μιχαλάς Σ., Εκδόσεις Παρισιάνος, 2000, Αθήνα.
6. **Oxford handbook of Obstetrics & Gynecology.** Arulkumaran S., Symonds I.M., Fowle . 2004. Oxford.
7. **Ob/Gyn Secrets.** Bader T. J. Elsevier Mosby. 2005, Philadelphia.
8. **Essential Obstetrics and Gynecology.** Symonds E.M., Symonds I.M. Churchill Livingstone. 2004, Edinburgh.
9. **Βασική Μαιευτική.** Ιατράκης Γ.Μ. Εκδόσεις Δεσμός, 2004, Αθήνα.
10. **Βασική Μαιευτική και Περιγεννητική Ιατρική.** Καρπάθιος Σ. Εκδόσεις ΒΗΤΑ, 1999, Αθήνα.
11. **Μαιευτική Γυναικολογία.** Smith R., Επιμέλεια Μαρούλης Γ. Εκδόσεις Πασχαλίδης, 2007, Αθήνα.
12. **Current Obstetrics and Gynecology Diagnosis and Treatment.** De Cherney A.H., Nathan L.
13. **High Risk Pregnancy.** James D, Gonik B, Steer P, Weiner C. Elsevier Saunders. 2006.
14. **Gynecology.** Berek & Novak's. Lippincott Williams & Willkins. 2007.

SUBJECT OUTLINE

SUBJECT TITLE	OBSTETRIC CARE OF CHILDBIRTH
SUBJECT CODE	Theory: MA0441, Workshop: MA0442
SUBJECT TYPE	Mixed: Theory - Workshop
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	8 (Theory 3, Workshop 5)
CREDIT POINTS	7.5
TYPICAL TEACHING SEMESTER	Fourth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire the ability and the skills to provide obstetric care to parturients, to new mothers and newborns, before, during and after a normal or surgical birth. Also, to be able to timely diagnose and in cooperation with the obstetrician to deal with presumable pathological conditions.

OUTLINE

Theory

NORMAL CHILDBIRTH

- ❖ Anatomy of the woman pelvis and the fetus skull
- ❖ Childbirth physiology (beginning, progress, stages of delivery, adaptation of the mother and fetus constitution to the needs of delivery)
- ❖ Childbirth mechanism
- ❖ Realization of birth pains. Pharmaceutical and alternative methods for relieving pain.
- ❖ Obstetric care - Control of the fetus' condition by electronic observation
- ❖ Clinical evaluation of the progress of delivery. Delivery diagram, diet, positions and postures, environment, communication

CHILDBIRTH IN ABNORMAL POSITIONS OF OCCIPITAL VIEW

- ❖ Rear position of occipital view, transversal position

- ❖ Obstetric care in abnormal positions of occipital view

CHILDBIRTH IN ABNORMAL VIEWS

- ❖ Personal view, Frontal view, ischiatic view, transversal shape (causes, diagnosis, delivery mechanism, complications)
- ❖ Obstetric care in abnormal views

MALFUNCTION OF THE WOMB. PREGNANCY PROLONGATION. CAUSING OF DELIVERY

- ❖ Causes, diagnosis, obstetric care

DISPROPORTION (headpelvis)

- ❖ Causes, diagnosis, obstetric care, medical intervention

DYSTOCIA OF SHOULDERS

- ❖ Causes, diagnosis, obstetric care, medical intervention

MULTIPLE PREGNANCY AND DELIVERY

- ❖ Diagnosis, multiple pregnancy effects on pregnant woman, on fetuses and on delivery
- ❖ Obstetric care. Multiple pregnancy complications

Workshop

The laboratory part of the subject will include students practice in delivery rooms (parturients observation and their obstetric care)

REFERENCES:

1. **Νοσηλευτική Μητρότητας.** Loedermilk D.L. & Perry SE, Maternity Nursing. Μετάφραση και Επιμέλεια Λυκερίδου Α. και Δελτσιδου Α. Εκδόσεις ΛΑΓΟΣ, 2006, Αθήνα.
2. **Text Book for Midwives.** M.F Myles, Churchill Livingstone. 2004.
3. **Καρδιοτοκογραφία - Εύκολη Προσέγγιση.** Gauge S., Hederson C. Μετάφραση - Επιμέλεια . Λυκερίδου Α., Γουρουντή Κ. Εκδόσεις Λαγός, 2008, Αθήνα.
4. **The Labor Progress Handbook.** Simkin P and. Ancheta R. Publ. Blackwell, 2005.
5. **Informed Choice in Maternity Care.** Mavis Kirkham. Palgrave, 2004.
6. **Physiology in Childbearing.** Dot Stables. Bailliere Tindall, 2000.
7. **Electronic Fetal Monitoring, Concepts and Applications.** Cydney Afriat, Meniham-Ellen Kopel Zottoli. Lippincott. 2001.

SUBJECT OUTLINE

SUBJECT TITLE	NEONATOLOGY
SUBJECT CODE	MA0451
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3
TYPICAL TEACHING SEMESTER	Fourth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire the knowledge about normal and premature, underweight and generally high risk neonates. To recognize the neonates with problems. To take measures for the prevention , the timely diagnosis of problems and to apply the treatment as it is set by the doctor.

OUTLINE

Theory

- ❖ Fetus development
- ❖ Factors which affect the normal development of fetus. Medicines, pregnant woman diseases
- ❖ Therapeutics of fetus
- ❖ Childbirth: Effect of anaesthetics on fetus/neonate
- ❖ Stabilization of breathing. Suffocation-recovery-APGAR SCORE- Thermoregulation
- ❖ Normal neonate, Medical examination
- ❖ Obstetric contusions
- ❖ Congenital abnormalities
- ❖ Neonatal diet
- ❖ Neonatal jauntice

- ❖ Premature neonate
- ❖ Underweight neonate
- ❖ Hypermature neonate. High risk neonates. Neonatal infections
- ❖ Neonatal diseases, (diseases) of circulatory system, of respiratory system, of digestive system, of urinary system
- ❖ Orthopedic, Endocrine, Dermatological problems of neonates
- ❖ Inherent disorders of metabolism
- ❖ Neonatal ophthalmias
- ❖ Malignant neoplasias of neonates. Surgical problems of neonates

REFERENCES:

1. **Νεογνολογία.** Κώσταλος. Εκδόσεις Λίτσας, 2000. Αθήνα.
2. **Νεογνολογία** Στεργιόπουλος Κ. Εκδόσεις Λίτσας, Αθήνα.
3. **Νεογνολογία** Αντωνιάδης Σ.
4. **Cloherty Manual Νεογνολογίας.** Εκδόσεις Λίτσας, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	OBSTETRIC ETHICS – PROFESSIONAL LEGISLATION
SUBJECT CODE	MA0461
SUBJECT TYPE	Theory
SUBJECT CATEGORY	ΔONA
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3
TYPICAL TEACHING SEMESTER	Fourth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to know the ethics of the profession, the ethical dilemmas which arise during its practice, as well as the rules and regulations that concern their speciality.

DESCRIPTION OF THE SUBJECT:

Theory

- ❖ Ethics
- ❖ History of the obstetric profession
- ❖ Philosophy
- ❖ Education – Midwives training
- ❖ Ethical bioethics
- ❖ International code of midwives ethics
- ❖ Ethical considerations during practice of the profession
- ❖ Decriminalize of abortions. EU instructions
- ❖ Protection of maternity
- ❖ Professional duties of midwives (C.P.351/86)
- ❖ Appointment of midwife. Oath of midwife. Oath of Hippocrates
- ❖ Midwives association of scientists
- ❖ International organizations in the area of health. Health Services in Greece
- ❖ Employment relations-Ethical regulation

REFERENCES:

1. **Δίκαιο της Υγείας-Δεοντολογία της Υγείας.** Αλεξιάδης Α.Δ., Εκδ. Δημόπουλος, 2000, Αθήνα.
2. **Ηθικά Διλήμματα στη Μαιευτική Νοσηλευτική.** Λυκερίδου Α. 1996, Αθήνα.
3. **Δεοντολογία-Νομοθεσία των Μαιών - Μαιευτών.** Μωραΐτου Μ. ΤΕΙ Θεσσαλονίκης, 2004.
4. **Kaunt I Foundations of the Metaphysics of Morals.** Lewis W. Beek Chicago University.

SUBJECT OUTLINE

SUBJECT TITLE	OBSTETRIC CARE OF CONFINEMENT BREASTFEEDING
SUBJECT CODE	Theory: MA0511, Workshop: MA0512
SUBJECT TYPE	Mixed: Theory - Workshop
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	8 (Theory 3, Workshop 5)
CREDIT POINTS	8.0
TYPICAL TEACHING SEMESTER	Fifth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire all the necessary knowledge and skills to provide obstetric care to those recently given birth who had normal or not childbirth and to be able to train them and advise them for the value and right way of breastfeeding and the care of their infant.

SUBJECT DESCRIPTION:***Theory***

- ❖ Basic principles of obstetric care during confinement on normal childbirth, forceps method or caesarean section
- ❖ Physiology (regression and womb changes, restart of ovarian function, preeclampsia, eclampsia, HELLP syndrome)
- ❖ Complications (puerperal septicaemia, bleeding after delivery, puerperal infection, thromboembolic disease, psychological changes and psychotic disorders etc) of confinement
- ❖ Observation of recovery of woman after delivery
- ❖ Normal changes in woman during confinement
- ❖ Pathological conditions in confinement, obstetric care
- ❖ Exercise during confinement. Exercises for return of pelvic wall. Exercises of muscles of perineum. Exercises for abdominal muscles. Exercises for lower limbs. Light physical exercises for the whole body.

- ❖ Dietary advice
- ❖ Mental changes during confinement and transition to new maternity (stress, melancholy, postpartum depression, psychosis etc)
- ❖ Care of recently given birth women with depressive appearance
- ❖ Personality of woman during transition to maternity
- ❖ Programs for confinement period
- ❖ Breastfeeding (rules, technique, frequency)
- ❖ Composition of breast milk
- ❖ Pregnancy and breastfeeding (preparation of breast for breastfeeding)
- ❖ First breastfeeding
- ❖ Hormonal changes (prolactin, oxytocin)
- ❖ The breast
- ❖ Advantages of breastfeeding. Contraindications
- ❖ Problems during breastfeeding (stretch marks, flat nipples, confusion of nipples, little milk, lots of milk, stoned breast, mastitis)
- ❖ Breast massage
- ❖ Weaning

Workshop

Students practice in delivery rooms and confinement wards or at home

REFERENCES:

1. **Ψυχοσωματική ετοιμασία για τη μητρότητα.** Μωραΐτου Μ. Εκδόσεις Παρισιάνος, 2007, Αθήνα.
2. **Επίτομη Μαιευτική & Γυναικολογία.** Μιχάλας Σ. Εκδόσεις Παρισιάνος, 2000, Αθήνα.
3. **Συμβουλές στο μητρικό θηλασμό.** Ζάχου Θ., Σοφιτζής Ι.
4. **Statement, Protecting, promoting and Supporting breast feeding.** Who/UNICEF Geneva, 1989.
5. **Breast feeding,** Who/UNICEF, 1990.

SUBJECT OUTLINE

SUBJECT TITLE	OBSTETRICS III – SPECIAL PROBLEMS
SUBJECT CODE	MA0521
SUBJECT TYPE	Theory
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	3
CREDIT POINTS	5
TYPICAL TEACHING SEMESTER	Fifth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire all the necessary knowledge concerning special problems in pregnancy, to recognise them and contribute in their facing. Also, to provide complete obstetric care to pregnant women with special problems.

OUTLINE

Theory

- ❖ Multiple pregnancy
- ❖ Fetoplacental unit infections
- ❖ Equal immunization RH
- ❖ Endocrine glands illnesses
- ❖ Hematopoietic system illnesses
- ❖ Circulatory system illnesses
- ❖ Respiratory system illnesses
- ❖ Nervous system illnesses
- ❖ Digestive system illnesses
- ❖ Skin and collagen illnesses
- ❖ Surgical illnesses
- ❖ Psychiatric problems
- ❖ Obstetric interventions

REFERENCES:

1. **Μαιευτική & Γυναικολογία, Τόμοι 1 & 2.** Campbell S., Lees C. Εκδόσεις Πασχαλίδη, 2009, Αθήνα.
2. **Μαιευτική & Γυναικολογία.** Κουμαντάκης. Εκδόσεις Πασχαλίδη, 2008, Αθήνα.
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4. **Σύγχρονη Γυναικολογία και Μαιευτική.** Κρεατσάς Γ., Εκδόσεις Πασχαλίδη, 2000, Αθήνα.
5. **Επίτομος Μαιευτική και Γυναικολογία.** Μιχαλάς Σ., Εκδόσεις Παρισιάνος, 2000, Αθήνα.
6. **Oxford handbook of Obstetrics & Gynecology.** Arulkumaran S., Symonds I.M., Fowlie . 2004. Oxford.
7. **Ob/Gyn Secrets.** Bader T. J. Elsevier Mosby. 2005, Philadelphia.
8. **Essential Obstetrics and Gynecology.** Symonds E.M., Symonds I.M. Churchill Livingstone. 2004, Edinburgh.
9. **Βασική Μαιευτική.** Ιατράκης Γ.Μ. Εκδόσεις Δεσμός, 2004, Αθήνα.
10. **Βασική Μαιευτική και Περιγεννητική Ιατρική.** Καρπάθιος Σ. Εκδόσεις ΒΗΤΑ, 1999, Αθήνα.
11. **Μαιευτική Γυναικολογία.** Smith R., Επιμέλεια Μαρούλης Γ. Εκδόσεις Πασχαλίδης, 2007, Αθήνα.
12. **Current Obstetrics and Gynecology Diagnosis and Treatment.** De Cherney A.H., Nathan L.
13. **High Risk Pregnancy.** James D, Gonik B, Steer P, Weiner C. Elsevier Saunders. 2006.
14. **Gynecology.** Berek & Novak's. Lippincott Williams & Willkins. 2007.

SUBJECT OUTLINE

SUBJECT TITLE	NURSING NEONATAL CARE
SUBJECT CODE	Theory: MA0531, Workshop: MA0532
SUBJECT TYPE	Mixed: Theory - Workshop
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	8 (Theory 3, Workshop 5)
CREDIT POINTS	6.5
TYPICAL TEACHING SEMESTER	Fifth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire the knowledge to apply the complete nursing care to premature neonates and neonates with problems.

OUTLINE

Theory

- ❖ First assessment of neonatal
- ❖ Classification of neonatal. Admission criteria in several stages of nursing in NICU
- ❖ Care and nutrition of neonatal (parenteral feeding, intravenous feeding, placement of nasogastric and mouthgastric catheter)
- ❖ Thermoregulation. Hypothermia, hyperthermia
- ❖ Medicines administration. Intramuscular and subcutaneous injections administration. Injectable solutions
- ❖ Neonatal recovery (technical)
- ❖ Nursing care of neonatal with respiratory difficulty (oxygentherapy), hyperbilirubinemia, hyperglycemia-hypoglycemia, low birth weight (underweight), intrauterine growth delay, infections and with addiction to substances problems, obstetric contusions and congenital defects
- ❖ Support, approach and bond development between parents and their newborns in NICU

- ❖ Prevention of hospital-acquired infections in NICU
- ❖ Neonatal evacuation
 - Retesting of high risk neonatals
- ❖ Preparation for paracenteses, catheterizations and minor surgeries
- ❖ Function, use and maintenance of supporting machinery
- ❖ Recovery-intubation technique
- ❖ Normal newborn care
- ❖ Counseling parents for caring of newborns

Workshop

The laboratory part of the subject will include students practice for 5 hours a week on applying neonatal care, from which the two (2) hours a week will be done in NICU

REFERENCES:

1. **Νεογνολογία.** Κώσταλος. Εκδόσεις Λίτσας, 2000. Αθήνα.
2. **Νοσηλευτική Μητρότητας.** Loedermilk D.L. & Perry SE, Maternity Nursing. Μετάφραση και Επιμέλεια Λυκερίδου Α. και Δελτσίδου Α. Εκδόσεις ΛΑΓΟΣ, 2006, Αθήνα.
3. **Μαθήματα Νεογνολογίας.** Ανδρέου Α. Σύλλογος Μαιών - Μαιευτών Θεσσαλονίκης.
4. **Manual Νεογνολογίας.** Δελαγραμμάτικας Η. Εκδόσεις Λίτσας, 1984, Αθήνα.
5. **Νεογνολογία.** Στεργιόπουλος Κ. Εκδόσεις Λίτσας, 2002, Αθήνα.
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SUBJECT OUTLINE

SUBJECT TITLE	MANAGEMENT AND ECONOMICS OF HEALTH UNITS
SUBJECT CODE	MA0541
SUBJECT TYPE	Theory
SUBJECT CATEGORY	ΔONA
WEEKLY TEACHING HOURS	2
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	Fifth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the introduction of the student to the basic principles of management and economics sciences and to teach them the way of exercising management of health units as well as of administrating of health resources. To be aware of the market of health sector, the forms of financing, the nursing cost as well as of the assessment of health programs and services.

OUTLINE

Theory

- ❖ Theories and methods of management
- ❖ Leadership and guidance
- ❖ Communication and administration
- ❖ Greek, European and international law
- ❖ Human resources administration
- ❖ New technologies and management
- ❖ Management of hospital units
- ❖ Introduction to health economics
- ❖ Introduction to market system, to prices system and the market regulation
- ❖ Health expenditure and cost control
- ❖ Health, health services and medical care
- ❖ Demand and health insurance. Induced demand and moral
- ❖ Financing of Health services. Sources of funds. Justice and redistribution

- ❖ Financing of Health services. Mechanisms. Compensation of suppliers
- ❖ Cost accounting of health services
- ❖ Socioeconomic assessment of health services
- ❖ Cost-benefit and cost-utility analysis
- ❖ Efficiency of healthcare market analysis
- ❖ Health care technology and cost
- ❖ The use of special economic indicators in decision making for health sector
- ❖ Factors of progression of health expenditure
- ❖ Economic evaluation of health programs

REFERENCES:

1. **Η Τέχνη της Διοίκησης των Νοσοκομείων.** Κονταράτου Α. Εκδόσεις Παρισιάνος, 2003, Αθήνα.
2. **Εισαγωγή στη Νοσηλευτική Διοίκηση και Ηγεσία.** Russell C. Swansburg, Richard J. Swansburg. Επιμέλεια Αποστόλου Ελένη. Εκδόσεις ΛΑΓΟΣ, 1999, Αθήνα.
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SUBJECT OUTLINE

SUBJECT TITLE	PERIOPERATIVE NURSING IN OBSTETRICS-GYNECOLOGY
SUBJECT CODE	Theory: MA0551, Workshop: MA0552
SUBJECT TYPE	Mixed: Theory - Workshop
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	4 (Theory 1, Workshop 3)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	Fifth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to be capable of providing proper nursing care before during and after operation to gynaecological and obstetric operations patients.

OUTLINE

Theory

- ❖ Organization and management of surgery (concept, structure, operating regulations of obstetric and gynaecological surgery)
- ❖ Surgical infections: Definition, general concepts, clinical sterilization-disinfection-antisepsis, prevention, risk factors, precautions, confrontation, surgery technique exercises, preparation of operating theatre, of surgical team and of patient
- ❖ General precautions for avoiding infections in staff (hepatitis, AIDS, etc)
- ❖ Risks in surgery (static electric shock, leakage of gas)
- ❖ Surgical treatment. Perioperative gynaecological nursing in women with Ca (features in cases-pelvic biopsies, psychological support)
- ❖ Surgical treatment. Perioperative gynaecological nursing in women with genitourinary illnesses (uterus prolapse - cystocele, classical and new methods, psychological support)
- ❖ Surgical treatment. Perioperative gynaecological nursing in women with breast illnesses (Ca-cysts-fibroadenoma, psychological support)

- ❖ Surgical treatment. Perioperative gynaecological nursing in women with benign uterus and accessories illnesses (fibromyomas, ovarian cysts etc)
- ❖ Applications of kinds of anaesthesia (kinds, medicines, updating tab, postoperative observation)
- ❖ Endoscopic obstetric and gynaecological treatment. Perioperative and nursing care in women patients (machinery application protocol, kinds of operations, instruments sterilization protocol)
- ❖ Readiness of operation theatre in gynaecological and obstetric emergencies (caesarean section, perioperative nursing care-features in cases, emergency caesarean section, perioperative nursing care-preparation of operation theatre)
- ❖ Psychological preparation of pregnant woman for caesarean section in high risk pregnancy
- ❖ Reception of caesarean section newborn (duties and preparation of reception, transfer to neonatal unit)
- ❖ Diagnostic –therapeutic operations
- ❖ Perioperative nursing care (curettages, gynaecological-obstetric biopsies etc)

Workshop

- ❖ Aseptic technique applications in all phases of operations (gynaecological and obstetric)
- ❖ Perioperative nursing skills (instruments, set, kinds of stitches in gynaecological-obstetric operations)
- ❖ Applications, skills in postoperative observation (serums, treatment, vital points, medicines, cards, operation theatre recovery)
- ❖ Receipt and characterization of preparations (clinical application-duties)
- ❖ Participation in surgical team in gynaecological operations and in caesarean section (clinical application)
- ❖ Aseptic operation theatre preparation (instruments, operation theatre and machinery equipment-clinical application)
- ❖ Clinical application on machinery, tabs, medicines, anaesthesiology

REFERENCES:

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3. **Λαμπαροσκοπική Γενική Χειρουργική.** Λινός Δ. Εκδόσεις Βήτα, 2002, Αθήνα.
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SUBJECT OUTLINE

SUBJECT TITLE	HEALTH EDUCATION
SUBJECT CODE	MA0561
SUBJECT TYPE	Theory
SUBJECT CSTEGRY	MEY (Compulsory of option)
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	Fifth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to know the basic principles and the theoretical context of promotion of health. Also, to learn the programs of promotion of health in Greece and abroad, as well as the factors which affect the development of these programs.

OUTLINE

Theory

- ❖ Introduction
- ❖ Principles of promotion of health
- ❖ Design and application of activities of promotion of health
- ❖ Health education
- ❖ Programs of health promotion in Greece
- ❖ Programs of promotion of health internationally according to the approach of location (The Setting Approach)
- ❖ The effect of social factors in Greece
- ❖ Handling of inequalities
- ❖ Mass media and promotion of health
- ❖ Health in Greece, in Europe, in the World
- ❖ The development of strategies of health promotion in the 21st century

REFERENCES:

1. **Προαγωγή υγείας.** Δαρβίρη Χρ.. Εκδόσεις Πασχαλίδη, 2007, Αθήνα.
2. **Επιδημιολογία.** Τριχόπουλος Δ. Εκδόσεις Πασχαλίδη, 2002, Αθήνα.
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4. **Κοινωνία Υγείας.** Τούντας Ι. Εκδόσεις Οδυσσέας / Νέα Υγεία, 2000, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	SOCIAL HYGIENE
SUBJECT CODE	MA0571
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY (Compulsory of option)
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	Fifth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to know the basic conceptual and interpretive principles of health and disease sociology, to analyze the interaction between social and economic health conditions and to understand the relation between citizens and health professions.

OUTLINE

Theory

- ❖ Introduction to health and disease sociology
- ❖ Definition of health and disease
- ❖ Convictions about health
- ❖ The patient's role
- ❖ The body sociology
- ❖ Health professionals and patients relations
- ❖ Health and social inequalities
- ❖ The effect of social factors in Greece
- ❖ The confrontation of social inequalities in health
- ❖ Stigma
- ❖ Way of life and dangerousness
- ❖ Social sex and health
- ❖ Promotion of health and public health
- ❖ From hospital to community care

- ❖ Social relations and health care
- ❖ Hospital

REFERENCES:

1. **Υγεία, Αρρώστια, Κοινωνία.** Αγραφιώτης Δ. Εκδόσεις Τυπωθύτω, 2003, Αθήνα.
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SUBJECT OUTLINE

SUBJECT TITLE	FIRST AID
SUBJECT CODE	MA0581
SUBJECT TITLE	Theory
SUBJECT CATEGORY	MEY (Compulsory of option)
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	Fifth

PURPOSE AND AIM OF THE SUBJECT

Purpose of the subject is to equip the students with the knowledge and skills which will allow them to provide holistic care to individuals and families of individuals who suffer from minor injuries and present other acute health problems.

OUTLINE

Theory

- ❖ Introduction, purpose of first aid, the first steps of first aid, the exam and evaluation of the patient, the clothes removing
- ❖ Minor injury and bleeding
- ❖ Minor injury from mechanical causes, abrasion, contusion, fractures, sprains, strains, skull fracture, face fracture, spine fracture, limbs fracture, road traffic injuries, beating, bites. Samples of insects (allergic reactions)
- ❖ Foreign bodies. Foreign body in skin (splinters-hooks), in eye, in nose, in ear, swallowing of foreign body
- ❖ Minor injuries from natural causes: heat (burn, heat stroke), cold (chilblain, frostbites, cryoplexy), sunstroke, electricity (electrocution), radiation, drowning.
- ❖ Pathological cause requiring first aid. Pulse, ache (headache, toothache, ear pain, abdominal pain, fever, diarrhea-vomiting, faint-shock-unconsciousness, coma, stroke, epilepsy-spasms, heart attack-angina, pathological hemorrhages (nosebleed, earbleed, gastrorrhagy, haemoptysis, varicose veins-hemorrhoids)

- ❖ Emergencies of pregnant. Prehospital handling
- ❖ Basic principles of cardiopulmonary resuscitation
- ❖ Basic life support in adult, in child and in infant. Upper airway obstruction by foreign body. Suffocation

1. Basic life support (without means)

- ❖ Check if the victim reacts
- ❖ If he does not react (action plan A): Free the airway (Students are trained in airway clearance techniques). Look, listen and feel for 5'' before deciding there is no respiration. Check the pulse on carotid arteries. Palpate for 5'' before making sure there is no pulse
- ❖ If the victim breaths (action plan B): Turn the victim to recovery position unless this is going to change an injury. (Students are trained: to turn the victim to recovery position and to turn individual with suspicion of spinal minor injury)

2. Basic life support (without means)

- ❖ If the victim does not breath, there is a pulse though (action plan C) Students are trained to give artificial respiration in a simulator
- ❖ If there is not any pulse (action plan D) Students are trained in chest compressions and in ventilation of compressions combination in a simulator

3. Basic life support to children (without means)

- ❖ Revitalization of infant, revitalization of child

4. Upper airway obstruction by foreign body (suffocation) in infants, children, adults

5. Stabilization of fracture-splints

6. Bandages

7. Control of bleeding, dealing with nosebleed techniques

8. Transfer of patient

- ❖ On a stretcher. Placement on the stretcher
- ❖ With our hands. Placement in a common car

9. Faint, heat stroke, stroke

10. Repetition in issues or techniques which complicate trainees

11. Stapling of crushing wound

REFERENCES:

1. **ΠΡΩΤΕΣ ΒΟΗΘΕΙΕΣ Βασικές Γνώσεις.** Κ. Τσόγκα, Α. Πετρίδη. Εκδόσεις ΛΥΧΝΟΣ. ISBN 960-7097-60-2, Αθήνα.
2. **Πρώτες βοήθειες.** Bergenon M. Εκδόσεις ΕΛΛΗΝ, Αθήνα.
3. **Πρώτες βοήθειες και βασική υποστήριξη της ζωής.** Thygerson A. Εκδόσεις Μαλλιάρης Παιδεία.
4. **Επείγουσα Νοσηλευτική.** Μαρβάκη Χ., Κοτανίδου Α. Εκδόσεις Ιών, Αθήνα.
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6. **www.elsevier.com/locate/resuscitation.**

SUBJECT OUTLINE

SUBJECT TITLE	OBSTETRIC CARE OF HIGH RISK PREGNANCY
SUBJECT CODE	Theory: MA0611, Workshop: MA0612
SUBJECT TYPE	Mixed: Theory - Workshop
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	12 (Theory3, Workshop 9)
CREDIT POINTS	10.5
TYPICAL TEACHING SEMESTER	Sixth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to recognize the signs and symptoms of pathological conditions in pregnancy and childbirth so that in cooperation with the gynecologist to contribute in timely prevention and handling of complications for the mother and the fetus. To apply complete obstetric nursing care and to provide psychological support to high risk pregnant women.

OUTLINE

Theory

Obstetric care of pregnant women with pathological conditions which preexist the pregnancy:

- ❖ Metabolic diseases (diabetes, thyroid diseases)
- ❖ Cardiovascular disorders
- ❖ Anemias
- ❖ Respiratory problems (asthma)
- ❖ Neurological disorders (epilepsy)
- ❖ Substances abuse (alcohol, drugs etc)

Obstetric care of pregnant women with pathological conditions which are presented during pregnancy:

- ❖ Gestational hypertension (preeclampsia, HELLP syndrome)
- ❖ Gestational hyperemesis
- ❖ Haemorrhages of 1st, 2nd, 3rd quarter
- ❖ Atony of the uterus
- ❖ Blood coagulation disorders (DIC)
- ❖ Acquired infections during pregnancy
- ❖ Sexually contagious diseases (Chlamydia, gonorrhoea, simple herpes, syphilis, hepatitises, streptococcus B, mycosis, trichomoniasis, bacterial vaginitis)
- ❖ Virus of human immunodeficiency (HIV) AIDS
- ❖ TORCH infections (toxoplasma etc)
- ❖ Umbilical cord profile and prolapse
- ❖ Premature rupture of membranes-Premature childbirth
- ❖ Amniotic fluid embolism
- ❖ Uterus rupture

Workshop

Students are trained:

- ❖ In High Risk Pregnancy departments in obstetric care of pregnant women with problems concerning the above conditions
- ❖ In the delivery room in the observation of parturients with pathological conditions, in their preparation for Caesarean section

REFERENCES:

1. **Μαιευτική & Γυναικολογία, Τόμοι 1 & 2.** Campbell S., Lees C. Εκδόσεις Πασχαλίδη, 2009, Αθήνα.
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7. **Ob/Gyn Secrets.** Bader T. J. Elsevier Mosby. 2005, Philadelphia.
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11. **Μαιευτική Γυναικολογία.** Smith R., Επιμέλεια Μαρούλης Γ. Εκδόσεις Πασχαλίδης, 2007, Αθήνα.
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13. **High Risk Pregnancy.** James D, Gonik B, Steer P, Weiner C. Elsevier Saunders. 2006.
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15. **Νοσηλευτική Μητρότητας.** Lowdermilk D.L., Perry S.E. Μετάφραση-Επιμέλεια: Λυκερίδου Α., Δελτσίδου Α. Εκδόσεις Λαγός, 2006, Αθήνα.
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17. **Καρδιοτοκογραφία - Εύκολη Προσέγγιση.** Gauge S. Hederson C. Μετάφραση-Επιμέλεια. Λυκερίδου Α., Γουρουντή Κ. Εκδόσεις Λαγός, 2008, Αθήνα.
18. **Maternity & Women's Health Care.** Lowdermilk P B., Mosby Elsevier, 2007.
19. **Electronic Fetal Monitoring.** Menihan C A., Zottoli E. K., 2001, Lippincott.

SUBJECT OUTLINE

SUBJECT TITLE	COMPUTER SCIENCE APPLICATIONS & TECHNOLOGY IN OBSTETRICS - GYNAECOLOGY
SUBJECT CODE	Theory: MA0621, Workshop: MA0622
SUBJECT TYPE	Mixed: Theory - Workshop
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	6 (Theory 2, Workshop 4)
CREDIT POINTS	5.5
TYPICAL TEACHING SEMESTER	Sixth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to comprehend the connection of computer science and technology with hospital practice and the necessity of their use in Obstetrics and Gynaecology. Also, to acquire the ability to use all the technological means during the observation of pregnancy and childbirth, and to interpret the findings of the ultrasonography.

SUBJECT OUTLINE

Theory

- ❖ Basic Computer Science concepts (introduction, brief historical retrospection, central unit, assistant memories, input-output devices, software, data, functional systems, software packages, communications and networks, basic safety issues, the Information Society
- ❖ Organizing of data, Informatics systems (IS), general applications of IS in society
- ❖ Electronic file of patient
- ❖ Specialization of IS in scientific and professional direction of health sector
- ❖ Use of computer and file management (Windows), Basic word processing (Word)

- ❖ Internet services (Internet explorer, Outlook Express), spreadsheets (Excel) applications on the specific scientific or professional direction
- ❖ Acquaintance with scientific portals related to the obstetrics area and generally to computer science of health
- ❖ Ultrasound Physics. Basic principles
- ❖ Contemporary ultrasonographic technology and safety of ultrasounds
- ❖ Ultrasonographic screening of pelvis
- ❖ Ultrasonography of first quarter of pregnancy. Ultrasonographic diagnosis of pregnancy. Normal and pathological findings
- ❖ Measurement of nuchal translucency and detection of ultrasound indicators of chromosomal abnormalities
- ❖ Ultrasonographic biometry
- ❖ Ultrasonography of second quarter of pregnancy: normal fetal screening, congenital anomalies, ultrasound indicators of chromosomal abnormalities
- ❖ Ultrasonography of third quarter of pregnancy: observation of development, inferior embryonic development
- ❖ Doppler ultrasonography: Basic principles and applicatiois
- ❖ Ultrasonographically-guided intrauterine operations: amniocentesis, taking of trophoblast, taking of embryonic blood
- ❖ Organization and operation of prenatal screening department
- ❖ Breast ultrasonography. Gynaecological ultrasonography
- ❖ Reliability and validity of ultrasounds
- ❖ Ultrasound and prenatal screening counseling

Workshop

In the computers laboratory students will originally acquire basic background knowledge and basic skills in computer use in informatics systems of health services by the use of appropriate software. Consequently, they will practice in implementing of the above knowledge in prenatal screening groups and in outpatients gynaecological surgeries.

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6. **Εισαγωγή στην Πληροφορική.** Τσουροπλής Α., Κλημόπουλος Σ. Εκδόσεις Νέων Τεχνολογιών, 2005, Αθήνα.
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8. **Σύγχρονη Τεχνολογία της Πληροφορικής.** Beekman G and. Quinn M. J. Εκδόσεις Γκιούρδας, 2007, Αθήνα.
9. **Η επιστήμη των Υπολογιστών.** Brookshear J. G. Εκδόσεις Κλειδάριθμος, 2005, Αθήνα.
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11. **Understanding obstetric ultrasound.** Proud J. Ed. Books for midwives press, 1997.
12. **Εισαγωγή στην Πληροφορική.** Μαντάς Ι. Εκδόσεις Πασχαλίδη, 2007, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	FOREIGN LANGUAGE - TERMINOLOGY
SUBJECT CODE	MA0631
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	Sixth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students by finishing their studies to be able through texts related to their expertise and through various verbal and compound exercises, to cultivate, to consolidate and improve the four language skills (listening and understanding, speaking, reading and writing) so that they can meet the requirements of their professional field.

OUTLINE

Theory

- ❖ Medical terminology and vocabulary combined to present tense (Present Simple) and the continuous tense (Present Continuous)
- ❖ Practice and use of common medical sentences in future and future continuous (Simple, Continuous, going to)
- ❖ Basic structures and parts of human body combined to past and present perfect (Simple Past, Past Continuous)
- ❖ Translation of English medical texts
- ❖ Practice and revision of grammar (writing, tenses etc)
- ❖ Group projects in English
- ❖ Texts for practice and for enrichment of the English medical terminology and vocabulary
- ❖ Active-Passive voice

- ❖ The neuromuscular function. Discussion and speech
- ❖ Anatomic structures
- ❖ Texts of issues of observing a pregnant woman, a parturient, a new mother, a newborn and pathological gestational conditions, childbirth and confinement

REFERENCES:

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SUBJECT OUTLINE

SUBJECT TITLE	NUTRITION OF WOMAN - CHILD
SUBJECT CODE	MA0641
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	Sixth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to know the basic principles of proper nutrition, the diet of various groups of people, the special diet before, during and after childbirth of the woman and the child who has been born as well as to be able to develop critical thinking on factors which affect the nutritional behaviour of women with health problems.

OUTLINE

Theory

- ❖ Introduction to dietetics-nutrition
- ❖ Vitamins
- ❖ Carbohydrates, fats, proteins, enzymes
- ❖ Hygiene of nutrition
- ❖ Metabolism and energy
- ❖ Nutrition before conception and value of Vitamins A, D, Ca, Fe, folic acid etc
- ❖ Nutrition during pregnancy. Energy, nutritional needs and recommendations about the pregnant woman's weight. Alcohol, caffeine and pregnancy
- ❖ High risk pregnancy and nutrition
- ❖ Malnutrition and pregnancy
- ❖ Nutrition of teenage pregnant woman and above 40 pregnant woman
- ❖ Fetus development mechanism

- ❖ Nutrition during lactation
- ❖ Breastfeeding. Exclusive, predominant, supplementary, substitute for breast milk
- ❖ Nutritional needs of mother
- ❖ Nutrition of newborn-infant. Breast milk, artificial nutrition, special needs of premature infants
- ❖ Nutrition in adolescence
- ❖ Selection of food
- ❖ Enteral parenteral feeding
- ❖ Metabolic response to stress
- ❖ Nutrition in menopause
- ❖ Nutrition of women with gynaecological cancer
- ❖ Drafting of diets-provision of dietary guidelines
- ❖ Nutritional education at school

REFERENCES:

1. **Διατροφική Αγωγή: Θεωρίες και Μοντέλα Αγωγής & Προαγωγής της Υγείας.** Μανιός Ι. Εκδόσεις Πασχαλίδης, 2007, Αθήνα.
2. **Διαιτητική του Ανθρώπου.** Πλέσσα Στ. Εκδόσεις Φάρμακον – Τύπος, 1998, Αθήνα.
3. **Maternal and Fetal Nutrition** – National Dairy Nutrition Service 5–7 John Princes Street. London WIM OAP.
4. **Breastfeeding. A guide for the medical Profession.** St. Loiw. MO Mosby – Year Book 1994 – Lawrence R.A..

SUBJECT OUTLINE

SUBJECT TITLE	REPRODUCTION PSYCHOLOGY
SUBJECT CODE	MA0651
SUBJECT TYPE	Theory
SUBJECT CATEGORY	ΔONA
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	Sixth

PURPOSE AND AIM OF THE SUBJECT:

Original purpose of the subject is the students to know the theories, the basic principles and concepts of Psychology and its disciplines. Also, to analyze the structural elements of the personality and its adaptation and defense mechanisms. After that, based on the above knowledge not only to acquire the ability of psychological care and support of couples who wish to have children, but also of patients with gynaecological and obstetric problems by approaching them with the required understanding and support.

OUTLINE

Theory

- ❖ Introduction to the science of Psychology
- ❖ The modern disciplines of Psychology
- ❖ Psychology methods
- ❖ Various psychological theories
- ❖ Society and Psychology
- ❖ The concept of personality
- ❖ The factors of personality formation
- ❖ Normal-pathological behaviour
- ❖ Psychology of relation between nursing staff and patients or their relatives
- ❖ Psychology of pregnancy
- ❖ Psychosomatic disorders during pregnancy

- ❖ Psychological disorders due to pregnancy interruption
- ❖ Psychological charge due to pregnancy in adolescence
- ❖ Psychological preparation of childbirth
- ❖ Adhesion as a psychological phenomenon. The role of the father
- ❖ Psychology of breastfeeding
- ❖ Psychological disorders due to childbirth
- ❖ Disorders of relations between mother and child
- ❖ Psychology of unmarried parents
- ❖ Single-parent families
- ❖ Psychological effects on child due to lack of mother care
- ❖ Psychological charge on children with psychotic parents
- ❖ Psychological charge on children with drug-addicted parents
- ❖ Neonatocide-Infanticide
- ❖ Sterility: Psychological effects and their cure
- ❖ Psychological dealing with artificial insemination
- ❖ Psychological support of unwanted pregnancy
- ❖ Psychological causes of sexual malfunctions in woman
- ❖ The psychosupportive role of midwife in perinatal period
- ❖ Psychological dealing with rape
- ❖ Psychology of women with neoplastic diseases of genital system
- ❖ Psychological support of parents who have babies with special needs
- ❖ Psychological support of woman after an unsuccessful pregnancy
- ❖ Psychological support of parents in case of death of newborn
- ❖ Psychological support of mothers with AIDS and other dangerous diseases for the child

REFERENCES:

1. **Ψυχολογία στη Νοσηλευτική Επιστήμη.** Rana G. Εκδόσεις Πασχαλίδης, 2009, Αθήνα.
2. **Εισαγωγή στην Ψυχολογία, Τόμοι Ι, ΙΙ.** Βοσνιάδου Στ. Εκδόσεις Gutenberg, 2001, Αθήνα.
3. **Εισαγωγή στην Ψυχολογία** Παπαδάτου Δ., Εκδόσεις Ζερμπίνη, 1991, Αθήνα.
4. **Μωρά και Μητέρες.** Τσιαντής – Δραγώνα. Εκδόσεις Καστανιώτης, 2000, Αθήνα.
5. **Το Παιδί, η Οικογένεια, το Σχολείο.** Collet Chiland. Εκδόσεις Πατάκης, 1994, Αθήνα.
6. **Δοκίμια στην Ψυχολογία της Υγείας.** Ελληνικά Γράμματα, 1995, Αθήνα.
7. **Εισαγωγή στην Ψυχιατρική.** Χαρτοκόλης Π. Εκδόσεις Θεμέλιο, 1986, Αθήνα.
8. **Σχέσεις Μητέρας – παιδιού τον πρώτο χρόνο της ζωής.** Σακελλαρόπουλος Π. Εκδόσεις Παπαζήση, 2001, Αθήνα.
9. **Motherhood and Mental Health.** J. Brockington, Oxford University Press, 1996, London.
10. **Depression After Childbirth.** Dalton K. Oxford University Press, 1980, London.

SUBJECT OUTLINE

SUBJECT TITLE	ASSISTED REPRODUCTION
SUBJECT CODE	MA0661
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY (EY)
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	Sixth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to be rendered capable of informing about assisted reproduction issues and to provide support and counseling to couples with fertility problems who are subjected to a proportionate treatment.

OUTLINE

Theory

- ❖ Physiology and endocrinology of reproduction
- ❖ Causes of subfertility (female subfertility, male subfertility, idiopathic subfertility)
- ❖ Effect of external factors on fertility
- ❖ Biological effect of environmental factors (harmful chemical elements, pollutants, nutritional factors) on human reproduction and fertility
- ❖ Biological effect of chronic stress and anxiety on female and male fertility
- ❖ Investigation of reasons of subfertility
- ❖ Psychosocial evaluation of subfertile patient
- ❖ Counseling for couples on reproduction and eugenics issues
- ❖ Taking of Background of subfertile couple
- ❖ Evaluation of psychosocial factors which affect the psychological condition of subfertile patient (type of personality of subfertile patient, cognitive

assessment of subfertility by the subfertile patient, social support which is provided to subfertile patient, support by the partner)

- ❖ Provision of nursing care in assisted reproduction
- ❖ Provision of nursing care and counseling to subfertile couples
- ❖ Provision of information (written and oral) and informed choice in assisted reproduction
- ❖ Provision of care and counseling in special cases of assisted reproduction
- ❖ Moral and legal issues in assisted reproduction

REFERENCES:

1. **Υπογεννητικότητα ένα σοβαρό Πρόβλημα στην Ελληνική Κοινωνία.** Λώλης Δ. Εκδόσεις Παρισιάνος.
2. **Guidelines for counseling in infertility.** Boivin J. Kentenich H. (2002) ESHRE Monographs. London: Oxford University Press.
3. **Infertility Counselling. A comprehensive handbook for clinicians.** Burns LH. Covington S. (1999) New York: Parthenon.
4. **Infertility and involuntary childlessness: helping couples cope.** Cooper-Hilbert B. (1998) New York: WW Norton.
5. **Couple therapy for infertility.** Diamond R., Kezur D., Meyers M. (1999). New York: Guildford Press.
6. **Infertility around the globe: new thinking of childlessness, gender and reproductive technologies.** Inhorn M., Van Balen F. (2002). Los Angeles, CA: University of California Press.
7. **Assisted human reproduction: psychological and ethical dilemmas.** Singer D., Hunter . (2003). London Whurr Publishers.
8. **Infertility: perspectives from stress and coping research.** Stanton A. and Dunkell Schetter (1991) New York: Plenum Press.

SUBJECT OUTLINE

SUBJECT TITLE	HOSPITAL INFECTIONS
SUBJECT CODE	MA0671
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY (EY)
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	Sixth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire contemporary knowledge about the wide subject of hospital infections.

OUTLINE

Theory

- ❖ Introduction
- ❖ Historical background
- ❖ Definitions, Classification, Epidemiology, Frequency, Consequences, etc
- ❖ Control program
- ❖ Control devices
- ❖ Working group and C.H.I
- ❖ Surveillance of infections
- ❖ Functional control of infections control (Audit)
- ❖ Hygiene of hospital premises (e.g surfaces-building facilities)
- ❖ Food management
- ❖ Central sterilization (disinfection-antiseptis) – Clothing management
- ❖ Waste management
- ❖ Hands antiseptis
- ❖ Surveillance of infections

- ❖ Use of antibiotics policy
- ❖ Biological fluids management (correct way of taking, keeping and transfer)
- ❖ Prevention and control of infections in special environments
- ❖ Neonatals
- ❖ Pediatric departments
- ❖ Children care centres
- ❖ Intense care units
- ❖ Immunosuppressed patients
- ❖ Isolations
- ❖ Haemodilution centres
- ❖ Dentistry
- ❖ Care at home
- ❖ Long term care
- ❖ Infection control and care of employees
- ❖ Management of exposure to blood and biological fluids
- ❖ Protection against hepatitis B
- ❖ Protection against HIV

REFERENCES:

1. **Νοσοκομειακές λοιμώξεις.** Αποστολοπούλου Ε. Εκδ. Πασχαλίδης, 1995, Αθήνα.
2. **Quick reference to Outbreak Investigation and Control in Health Care Facilities.** Meehan A. K, 2000.
3. **Handbook of infection control.** Jennings J., Farrin M. 1999, APIC.

SUBJECT OUTLINE

SUBJECT TITLE	SUBSTANTIATED CLINICAL DECISION MAKING
SUBJECT CODE	MA0681
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY (EY)
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT POINTS	3.5
TYPICAL TEACHING SEMESTER	Sixth

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire the ability to assess in a critical manner the scientific studies and research data in order to implement them in practicing of obstetric act. Also, purpose of the subject is to render the students capable of developing guidelines and obstetric care protocols based on the most recent and valid bibliography.

OUTLINE

Theory

Substantiated knowledge and research

- ❖ Definition of substantiated knowledge (significance, benefits)
- ❖ Research and substantiation. Rough description of the research designs and types of research. Weaknesses and limitations of each type of research
- ❖ Hierarchy of primary and secondary types of research and evidence

Discovery and evaluation of research data

- ❖ Process of searching and collecting research data (compound search in electronic databases and in libraries)
- ❖ Evaluation of the quality, validity and reliability of research
- ❖ Critical analysis of the methodology and structure of scientific articles

Clinical decision making based on substantiated knowledge and data

- ❖ Steps for the substantiated decision making
- ❖ Problem detection or practice under dispute
- ❖ Collection, evaluation and organization of available research data
- ❖ Tracking down research gaps

Creation of protocols

- ❖ Process of creating protocols
- ❖ Presentation of research data and writing of scientific paper
- ❖ Writing of bibliographical review and systematic review

Process of clinical application of new protocols

- ❖ Factors which affect positively and negatively the clinical application of new protocols and guidelines
- ❖ Interventions for successful clinical application of new protocols

Benefits from the application of clinical decision making based on evidence

- ❖ Benefits for patient and community
- ❖ Benefits for organizations
- ❖ Benefits for professionals

Risks of not applying clinical decision making based on evidence

- ❖ Risks concerning health and care of patient
- ❖ Legal risks for organizations and professionals
- ❖ Financial risks for organizations

REFERENCES:

1. **Clinical Effectiveness and Evidence-based Nursing, Midwifery and Health Visiting: Barriers, Resources and Practical Implications.** [McDaid](#) C. 2000, Publisher: NIPEC.
2. **Linking Research and Practice in Midwifery: A Guide to Evidence-Based Practice.** [Proctor](#) S., [Renfrew](#) M. 2000, Bailliere Tindall Publishers.
3. **Obstetric Evidence-Based Guidelines (Series in Maternal-Fetal Medicine).** [Berghella](#) V. 2006, Informa UK Ltd.
4. **Teaching Evidence-Based Practice in Nursing: A Guide for Academic and Clinical Settings.** [Levin](#) R., [Feldman](#) H. 2006, Springer Publishing Company.
5. **Introduction to Evidence-Based Practice in Nursing and Health Care.** [Malloch](#) K., [Porter-O'Grady](#) T. 2006, Jones and Barlett Publishers.
6. **[Evidence-Based Practice: A Primer for Health Care Professionals. \(Evidence-Based Practice\)](#).** Dawes T., Davies P., and Gray A. 2005, Churchill Livingstone Publishers.
7. **Μεθοδολογία έρευνας. Εφαρμογές στο χώρο της υγείας.** Σαχίνη – Καρδάση Α. 3^η Έκδοση. Εκδόσεις ΒΗΤΑ, 1997, Αθήνα.
8. **Pflegeforschung.** Heinz Jung. 2000, In Kellnhauser.

SUBJECT OUTLINE

SUBJECT TITLE	COMMUNITY OBSTETRIC CARE
SUBJECT CODE	Theory: MA0711 Workshop: MA0712
SUBJECT TYPE	Mixed: Theory - Workshop
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	9 (Theory 3, Workshop 6)
CREDIT POINTS	9.0
TYPICAL TEACHING SEMESTER	Seventh

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to acquire the necessary knowledge related to the basic concepts of obstetric care in community, to be able to apply obstetric care in the community and to identify the factors which affect health in community, as well as to realize the special needs of the women of the community who need obstetric care. Finally, to be able to design obstetric health programs and to intervene as the case may be.

OUTLINE

Theory

- ❖ Introduction to primary health care
- ❖ The commune notion of health
- ❖ Historical factors – Operating framework of the community midwifery
- ❖ Stages of care
- ❖ Epidemiology and prevention
- ❖ Forms of treatment
- ❖ The role of midwife in community
- ❖ Study – Features – Assessment of community
- ❖ Indicators of health level
- ❖ Obstetric care during perinatal period
- ❖ Obstetric care at home

- ❖ Selection of patients for obstetric care at home
- ❖ Indications and contraindications for obstetric care in community
- ❖ Abilities – Skills of midwife – Midwifery for provision of care in community
- ❖ Schemes of community obstetric care
- ❖ Protocol of perinatal visit at home
- ❖ Delivery at home
- ❖ Information and implementation of control ways of women in matters of health education
- ❖ Design, implementation and assessment of community health
- ❖ Financial management of community obstetric care
- ❖ Policy, strategy and legislation of community care
- ❖ Environmental effects on community health
- ❖ Case studies of community obstetric care (women with special needs, homeless women, farmers, refugees, women with infectious diseases etc)

Workshop

The laboratory part of the subject will include the implementation of ways and methods of programs for the timely information and control of women in health education issues in community, as well as in issues concerning maternity. The students will become active within the premises of SIF, of Bothosakio Hospital, in private maternity clinics, in day nurseries and in family programming agencies.

REFERENCES:

1. **Η γυναίκα και το νεογνό στην Πρωτοβάθμια Φροντίδα Υγείας.** Λεονταράκη Ε. Εκδόσεις Πασχαλίδης, 2007, Αθήνα.
2. **Maternity Nursing – Νοσηλευτική Μητρότητας.** Loedermilk D.L & Perry SE, Mosby, Sixth Edition. Μετάφραση – επιμέλεια: Λυκερίδου Α, Δελτσίδου Α. Εκδόσεις Λαγός, 2006, Αθήνα.
3. **Informed Choice in Maternity Care.** Manvis Kirkham, Palgrave, 2004.

SUBJECT OUTLINE

SUBJECT TITLE	PREPARATION OF PARENTS – NORMAL CHILDBIRTH
SUBJECT CODE	Theory: MA9721 Workshop:MA0722
SUBJECT TYPE	Mixed : Theory, Workshop
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	9 (Theory 3, Workshop 6)
CREDIT POINTS	9.0
TYPICAL TEACHING SEMESTER	Seventh

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to comprehend the concept of drawing up of prepare program of the parents about their future role and the securing of their full preparation for childbirth and the provision of advice and instructions

OUTLINE

Theory

- ❖ Introduction. Historical background. International experience
- ❖ The necessity of parents preparation
- ❖ The role of phenomenology in parents preparation
- ❖ Organization and operation of parents preparation department
- ❖ Couples groups before pregnancy
- ❖ Couples groups during pregnancy
- ❖ Preparation groups of mothers without partner
- ❖ Mixed groups of couples during pregnancy and couples after pregnancy with the newborn
- ❖ Groups of parents after childbirth (confinement)
- ❖ Content of parents preparation (information about pregnancy and childbirth, diet and hygiene, sexual relationship of parents, communication of family members, organization of family for the newborn reception, confinement, breastfeeding, loss of fetus – death – mourning)

- ❖ First personal encounter (meeting, social background, individual background, family obstetric background, present pregnancy, request, expectations, joining a group)
- ❖ **1st session 12th-13th week:** Meeting, welcoming of fetus, feelings
- ❖ **2nd session 13th-14th week:** Diet, physical and emotional changes, meeting and contact with the body – exercises
- ❖ **3rd session 18th-20th week:** The function of the womb and its demythologization, the obliteration of the cervix and its significance, communication with the fetus, experiential exercises
- ❖ **4th session 20th-22nd week:** Birth contractions-feelings, breaths, birth respiration
- ❖ **5th session 22nd-24th week:** The role of the father-partner
- ❖ **6th session 24th-26th week:** The importance of motion in childbirth, postures and positions in childbirth, the value of personal choice of woman
- ❖ **7th session 26th-28th week:** The beginning of childbirth and its acceptance by the mother, ways of commencement of childbirth, the culmination of change, cervical dilation, feelings
- ❖ **8th session 28th-30th week:** Appearance of fetus (extrusion), feelings, changes of perineum, exercises, breaths during contractions, communication with fetus
- ❖ **9th session 30th-32nd week:** Preparation of perineum, exercises, massage, episiotomy, afterchildbirth
- ❖ **10th session 32nd-34th week:** Reception of newborn, communication with parents (smell-touch-look-sound)
- ❖ **11th session 34th-36th week:** Breastfeeding and feelings
- ❖ **12th session 36th-38th week:** Adaptation of newborn to extrauterine life
- ❖ **Organization and function of family**
- ❖ **Two (2) weeks after childbirth:** Instructions of newborn care
- ❖ The newborn and its brothers/sisters
- ❖ Emotional confinement
- ❖ Emotional intelligence

Workshop

The laboratory part of the subject will include practice in the application of the above to pregnant women and parturients in outpatients surgeries and health units.

REFERENCES:

1. **Φυσιολογικός Τοκετός - Εναλλακτικές Μέθοδοι Μαιευτικής Φροντίδας**, Τραγέα Ρ. Εκδόσεις Παρισιάνος.
2. **ODENT M. Αναγέννηση**. Εκδόσεις Θυμάρι.

SUBJECT OUTLINE

SUBJECT TITLE	FAMILY PROGRAMMING – SEXUAL EDUCATION
SUBJECT CODE	MA0731
SUBJECT TYPE	Theory
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	3 (Theory 3)
CREDIT POINTS	4.5
TYPICAL TEACHING SEMESTER	Seventh

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to comprehend the concept and the necessity of Family Programming as a basic element of preventive medicine aiming at the information of couples on sexual education issues, so that they acquire the desired number of children, whenever they wish. Moreover, the students will acquire knowledge about sexual health and then they will help men and women to deal with several sexual problems like the sexual malfunction, the sexually transmitted diseases and the psychological charge of them on the individual.

OUTLINE

Theory

- ❖ Historical-Demographic data (maintaining of population, low birth rate (factor), aging of population, low birth rate-aging consequences)
- ❖ Aims-Ways of application of F.P.
- ❖ Methods of contraception: a) Hormonal contraceptive tablets (generally, types, way of action, indications, contraindications, beneficial effects, interaction with other drugs) b) Other hormonal contraceptive means c) Contraceptive intrauterine device (generally, types, way of action, indications, contraindications, complications, technique) d) Locally acting contraceptive means e) Natural contraceptive means
- ❖ Surgical contraception in woman

- ❖ Contraception of man
- ❖ Adolescence in both sexes
- ❖ Relationships between the sexes
- ❖ Sexually transmitted diseases
- ❖ Organization and operation of Family Programming Centre
- ❖ Termination of pregnancy (T.E.) Conditions-Consequences

REFERENCES:

1. **Οικογενειακός Προγραμματισμός.** Ιατράκης Γ.Μ. Εκδόσεις Δεσμός, 2002, Αθήνα.
2. **Οικογενειακός Προγραμματισμός.** Χρυσικόπουλος Α. Εκδόσεις Πασχαλίδης, 2007 , Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	CONTEMPORARY OBSTETRICS- GYNAECOLOGY ISSUES-SEMINAR
SUBJECT CODE	MA0741
SUBJECT TYPE	Theory
SUBJECT CATEGORY	ME
WEEKLY TEACHING HOURS	3 (Theory 3)
CREDIT POINTS	4.5
TYPICAL TEACHING SEMESTER	Seventh

PURPOSE AND AIM OF THE SUBJECT:

During the course the students will originally know the methods and the means of scientific bibliography search, through the analysis and study of contemporary scientific papers of their specialty. They will master the way of writing and the structure of a scientific paper or a scientific article and they will be familiarized with the presentation of a work of their specialty to an audience or the delivery of a lecture.

OUTLINE

Theory

- ❖ Introduction of the students to the structure of a scientific paper
- ❖ Methods of writing of bibliography
- ❖ Acquaintance with the Greek and international scientific magazines of the discipline
- ❖ Analysis and study of a scientific paper
- ❖ Use of the language and specific phrases during writing of a study
- ❖ Study of specific modern research papers on Obstetrics and Gynaecology
- ❖ Autonomous preparation of a research paper or a review by the students
- ❖ Presentation of a scientific work
- ❖ Discussion, critique and answering questions on a scientific issue
- ❖ Assignment of selected topics to students with final purpose their process and presentation

REFERENCES:

1. **Ιατρική γραφή και λόγος.** Τσακραλίδης Β., Γουργουλιάνης Κ. Εκδόσεις ΒΗΤΑ, 2003, Αθήνα.
2. **Πως γίνεται μια επιστημονική εργασία.** Ζαφειρόπουλος Κ. Εκδόσεις Κριτική, 2005, Αθήνα.
3. **Η συγγραφή επιστημονικής εργασίας. Από τη θεωρία στην πράξη.** Δαρδάνος, 1995, Αθήνα.
4. **Ο επιστημονικός λόγος. Γραπτός και προφορικός.** Σουφλερός Ε. Θεσσαλονίκη, 2000.

SUBJECT OUTLINE

SUBJECT TITLE	BIOSTATISTICS
SUBJECT CODE	MA0751
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT UNITS	3.0
TYPICAL TEACHING SEMESTER	Seventh

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to comprehend the basic concepts of the science of statistics and the theory of probability and their use in research and health sciences. More specifically the students will be able to realize and make good use of the information which is included in statistical charts and diagrams, as well as to themselves codify statistical data in the form of statistical charts and diagrams. To recognize the tendency the various statistical data show and the spreading they present and to realize the statistical concepts.

OUTLINE***Theory***

- ❖ Introduction to Statistics
- ❖ Use of Statistics to Biomedical Sciences
- ❖ Sources and ways of collection and presentation of statistical data
- ❖ Collection of biometrical stuff (inventory, continuous recording, sampling)
- ❖ Statistical charts and statistical diagrams
- ❖ Measurement of central tendency, average price, intermediate, prevalent price, quarters
- ❖ Unhealthiness and mortality indicators
- ❖ Incidence rate, prevalence
- ❖ Comparison among indicators

- ❖ Descriptive statistics. Measurability and kinds of variables. Codification of research protocol.
- ❖ Statistical measures of position, spreading and schematic form, coefficient of variation.
- ❖ Presentation of normal distribution. Consolidated data presentations. Charts of frequencies. Diagrams. Examples with the SPSS use.
- ❖ Introduction to Inductive Statistics. Possible error of average price, confidence intervals, statistical importance. Techniques and examples with the SPSS use.
- ❖ Hypotheses testing. Average prices testing (t tests): Check of an average with constant, check of two independent averages. Check of correlated averages. Examples with the SPSS use.
- ❖ Evaluation of relative risk and relative odds ratio in prospective and retrospective studies. Confidence intervals about relative risk and relative odds ratio.
- ❖ Independence control-x test. Homogeneity control, good adaptation control. Validity of laboratory and clinical findings. Techniques and examples with SPSS use.
- ❖ Non parametric tests in biomedical data analysis. Techniques and examples with SPSS use.
- ❖ Correlation between two variables. Correlation coefficients. Linear regression. Examples with SPSS use.
- ❖ Multivariate analysis.
- ❖ Meta-analysis
- ❖ Introduction to the statistical package SPSS for Windows. Working environment. Program windows.
- ❖ Data introduction and management through Data Editor. Creation and saving of data- Transformation and recoding of data.

REFERENCES:

1. **Βιοστατιστική.** Τριχόπουλος Δ., Α.Τζώνου, Κ. Κατσουγιάννη. Εκδόσεις Παρισιάνος, 2001, Αθήνα.
2. **Βιομετρία - Βιοστατιστική,** Δημόπουλος Π. Εκδόσεις Σταμούλη, 2004, Αθήνα.
3. **Βιοστατιστική.** Τριχόπουλος Δ. Εκδόσεις Παρισιάνος, 2007, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	BIOPHYSICS - RADIOLOGY
SUBJECT CODE	MA0761
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT UNITS	3.0
TYPICAL TEACHING SEMESTER	Seventh

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the student to comprehend the basic concepts of biophysics and radiology which concern the medical and nursing practice. Stress is given to the active participation of students during the lesson as well as to the evaluation of their critical ability and not to mere memorization.

OUTLINE

Theory

- ❖ Molecular interactions
- ❖ Biophysics of biological membranes- Transfer in biological membranes
- ❖ Natural methods of studying of macromolecules and cells
- ❖ Thermodynamics of biosystems
- ❖ Nervous pulse
- ❖ Muscles contraction
- ❖ Optics
- ❖ Biophysics of hearing
- ❖ Mechanics of human walking
- ❖ Ionizing radiation
- ❖ Interaction between ionizing radiation and matter
- ❖ Biological action of ionizing radiation over living matter
- ❖ Dosimetry

- ❖ Basic principles of radiotherapy
- ❖ Radioprotection
- ❖ Methods of examination
 - Radiography (x-ray)
 - Radioscopy
 - Simple tomography
 - Computed tomography
 - Vascular screening
 - Ultrasounds
 - Magnetic resonance
 - Nuclear medicine

REFERENCES:

1. **Εγχειρίδιο ακτινολογίας.** Anke Lasserre, Ludwig Blohm, Εκδόσεις Παρισιάνος, Αθήνα.
2. **Introduction to molecular Biophysics.** Jack A. Tuszynski, Michal Kurzynski, CRC Press, 2003.
3. **Θέματα Μοριακής Βιοφυσικής.** Σ. Ι. Χαμόδρακα. Εκδόσεις Συμμετρία, Αθήνα, 2003.
4. **Πανεπιστημιακή φυσική.** Hugh d Young, Εκδόσεις Παπαζήση, 1992, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	GENETIC AND CELLULAR EFFECTS OF POLLUTION
SUBJECT CODE	Ma0771
SUBJECT TYPE	Theory
SUBJECT CATEGORY	MEY
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT UNITS	3.0
TYPICAL TEACHING SEMESTER	Seventh

PURPOSE AND AIM OF THE SUBJECT:

Purpose of the subject is the students to understand the mechanisms of influence of the fetus development and the human body by environmental pollutants.

OUTLINE

Theory

- ❖ Main kinds of pollutants
- ❖ Ways of pollutants introduction into the environment
- ❖ Effect of heavy metals and organic pollutants on cells and tissues of bodies
- ❖ Effects of pollutants on man
- ❖ Protective biochemical secretions
- ❖ Genotoxic effects of pollutants on DNA
- ❖ Effect of environmental pollution on pregnant women, fetuses and newborns health.
- ❖ Accumulation of pollutants on tissues of pregnant women and hence of fetuses
- ❖ Induction of oxidative stress by environmental pollutants and effects on fetuses.
- ❖ Diseases which are caused to infants due to assimilation of organic and inorganic pollutants.

REFERENCES:

1. **Ελεύθερες Ρίζες και Μηχανισμοί Καρκινογένεσης: Ο ρόλος των ελευθέρων ριζών και οξειδωτικών ενώσεων στην έναρξη και προαγωγή κακοήθων νεοπλασιών στον άνθρωπο.** Αθανάσιος Βαλαβανίδης. Εκδόσεις BHTA Medical arts , 2003, Αθήνα.
2. **Περιβάλλον και Κακοήθεις Νεοπλασίες. Εξωγενείς-Περιβαλλοντικοί Παράγοντες Καρκινογένεσης στον Άνθρωπο και Εκτίμηση Κινδύνου.** Αθ. Βαλαβανίδης. BHTA Ιατρικές εκδόσεις, 2000, Αθήνα.
3. **Οικοτοξικολογία και Περιβαλλοντική Τοξικολογία: Ερευνητική Μεθοδολογία και Εκτίμηση Οικολογικού Κινδύνου από Επικίνδυνες Χημικές Ουσίες.** Αθανάσιος Βαλαβανίδης. Έκδοση Τμήματος Χημείας, Πανεπιστήμιο Αθηνών, 2007, Αθήνα.
4. **Περιβαλλοντική Χημεία και Οικοτοξικολογία. Διαχείριση Οικοσυστημάτων –Εκτίμηση Οικολογικού Κινδύνου.** Αθ. Βαλαβανίδης και Θ. Βλαχογιάννη. Έκδοση Τμήματος Χημείας, Πανεπιστήμιο Αθηνών, 2008, Αθήνα.

SUBJECT OUTLINE

SUBJECT TITLE	REPRODUCTION PSYCHOLOGY
SUBJECT CODE	MA00001
SUBJECT TYPE	Theory
SUBJECT CATEGORY	OPTIONAL
WEEKLY TEACHING HOURS	2 (Theory 2)
CREDIT UNITS	3.5
TYPICAL TEACHING SEMESTER	Seventh

PURPOSE AND AIM OF THE SUBJECT:

Original purpose of the subject is the students to know the theories, the basic principles and concepts of Psychology and its disciplines. Also, to analyze the structural elements of personality and the mechanisms of its adaptation and defense. Consequently, based on the above knowledge to acquire the ability of psychological care and support not only of couples who wish to have children, but also of patients with gynaecological and obstetric problems by approaching them with the proper understanding and support.

OUTLINE

Theory

- ❖ Introduction to the science of Psychology
- ❖ Psychology disciplines
- ❖ Development and constitution of 'healthy' personality
- ❖ Normal-pathological conduct
- ❖ Pregnancy, an important period in woman's life
- ❖ Psychology of pregnant woman-psyche adaptation mechanisms
- ❖ Pregnancy and adolescence, teenage parents
- ❖ Psychological disorders due to termination of pregnancy
- ❖ The supportive role of midwife to pregnant woman after rape
- ❖ Sexual disorders in woman

- ❖ Climacteric and common psychological disorders
- ❖ Psychosomatic manifestations in pregnant woman
- ❖ Psychological disorders during pregnancy
- ❖ Psychological disorders of confinement
- ❖ Psychoprotective education of pregnant woman assisted by biofeedback techniques
- ❖ Preparation for delivery
- ❖ Candidate mothers of high risk (use of addictive substances, alcohol, smoking, etc)
- ❖ The supportive role of midwife in candidate mothers with intense anxiety invasion as a result of body problems (diabetes, AIDS, cancer etc)
- ❖ Support to candidate mothers with diagnosed pregnancy problems (threatened pregnancy and others)
- ❖ Sterility and psychological effects
- ❖ Psychological support of woman with unwanted pregnancy
- ❖ The supportive role of midwife in assisted reproduction
- ❖ Advisory role of midwife in mother-child relationship in the 1st year of life
- ❖ Single-parent families
- ❖ Newbornicide-infanticide
- ❖ The supportive role of midwife in pre, peri and first postnatal period
- ❖ Psychological support of parents who have children with special needs
- ❖ Psychological support of woman after an unsuccessful pregnancy
- ❖ Psychological support of parents in case of death of newborn

REFERENCES:

1. **Ψυχολογία στη Νοσηλευτική Επιστήμη.** Rana G. Εκδόσεις Πασχαλίδης, 2009, Αθήνα.
2. **Child psychology:A contemporary viewpoint.**(1979) Hetherington,E.,M.,& Parke, R..McGraw-Hill.
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4. **Child and Adolescent Psychiatry(2004).**Rutter, M., &Taylor, E.Blackwell Science Ltd, 4th Ed.
5. **Δοκίμια στην Ψυχολογία της Υγείας.** Ελληνικά Γράμματα, 1995, Αθήνα.
6. **Σχέσεις Μητέρας – παιδιού τον πρώτο χρόνο της ζωής.** Σακελλαρόπουλος Π. Εκδόσεις Παπαζήση, 2001, Αθήνα.
7. **Motherhood and Mental Health.** J. Brockington, Oxford University Press, 1996, London.
8. **Depression After Childbirth.** Dalton K. Oxford University Press, 1980, London.

SEMESTER H'

1. PRAXIS
2. DIPLOMA WORK