

Department of Nursing

Chairperson

Pantelidou Maria – Acting

Professor

Marcoullis George*
Bellou Panayiota
Sapoutzi-Krepia Despina

Assistant Professors

Miltiadou George
Pantelidou Maria
Charalambous George

Lecturers

Kougialis Andreas
Samoutis Giorgos

Visiting Teaching Staff

Gourni Maritsa - Professor
Papazisis Georgios - Lecturer
Constantinou Constantina - Lecturer
Georgiadou Evelina - Lecturer
Charalambous Christiana - Lecturer
Mesaritou Evgenia - Lecturer
Mpaltzi-Economopoulou Eleni - Lecturer
Samoutis Alexis - Lecturer
Pipis Spyros - Lecturer
Ioannou Rena - Lecturer

Special Teaching Staff

Ioannides Christos
Nouris Nicos
Papoutsou Chrystalla
Christodoulou Tassos

Clinical Instructors

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Avraam Panayiotis
Chorattas Aris
Petrides Evros
Protopapas Andreas
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Kousios Petros
Evangelou Renos
Argyrou Vassos
Christodoulou Giorgos
Theocharis Ioannis
Panayiotou Niki
Ioannou Elpida

* Rank temporarily assigned by the Interim Governing Board until evaluation procedure is finalised.

Description of Courses

NUR 101: Anatomy and Histology/ Pathology, ECTS: 5

Essential regulatory systems: Autonomic nervous system, Endocrine system. Heat regulation. Basal metabolic rate. Heat balance. Components. Functions. Relationships. Structure of the following systems: Musculoskeletal, Cardio-vascular, Respiratory, Digestive, Reproductive and Urinary system, Nervous system and Sensory Organs, Endocrine system. Histology: Histological techniques, Cell, Differentiated cells and the maintenance of tissues: Epithelial cells-Epidermis, Blood cells, Skeletal muscle cells, The connective tissue cell family: Fibroblasts and their transformations. The cellular basis of immunity. Cell growth and division. Laboratory: Preparation of tissue slides and recognition under the microscope. Dissection and study of essential body tissues.

NUR 102: Information Systems in Health, ECTS: 4

Introduction to Information Science: Hardware, Software, Data representation, Multimedia Data, Data Bases. Introduction to Information Systems: Life cycle, Design Principles, Distributed Information Systems. Hospital Information Systems: Core System (electronic health record), Laboratory Subsystem, Management Subsystem, Examination Subsystem, Health Care System, Human Resource Management, Accounting Subsystem, Reception, On-line Support. Medical Expert Systems. Tele-health. Communication and Security Issues. Evaluation of Hospital Information Systems. Laboratory: Presentation of case studies.

NUR 103: Biophysics and Radiology, ECTS: 5

Physical sizes, units of their measure and useful mathematical explanations. The body as a physical entity and movement. Vibrations and waves. Heat. Electromagnetism. Optics. Structure of matter, the atomic view and the atomic nucleus. Radiation, detectors and instruments. Interaction of radiation and biological tissue. Machines and instruments in the health sector. Laboratory: Presentation of case studies.

NUR 104: Biochemistry, ECTS: 5

Cells, biomolecules and water. Thermodynamics in biochemistry. The structural units of proteins: Amino acids, peptides, and polypeptides; The Three-dimensional Structures of Proteins. Functional variety of proteins. Enzymatic kinetics. Regulation of enzymic activity. Vitamins and coenzymes. Metabolic strategies. Glucolysis, Gluco-neogenesis and the phosphoric pentose pathway. Tri-carboxylic acid cycle. Transfer of electrons and oxidized phosphorylation. Metabolism of: fatty acids, cholesterol, amino acids in vertebrates, nucleotides. Metabolism and hormonal activity. Laboratory: Introduction of students to basic laboratory techniques in Biochemistry.

NUR 105: Cell Biology, ECTS: 5

Introduction to Cells. Chemical composition of cells. Structure and function of DNA. From the DNA to proteins. The chromosomes and the regulation of the genes. Genetic diversity. The technology of the DNA. Structure of the membranes. Membranous transfer. Energy production in the mitochondria and the chloroplasts. Chloroplasts and photosynthesis. Our unicellular ancestors. Intracellular chambers and transportation. Membrane organelles. Separation of proteins. Transportation through cysts. Secretion ducts. Intracellular ducts. Cellular communication. Cell skeleton. Cell division. Control of the cell cycle and cellular death. Laboratory: 1: Observation of cells under the photomicroscope, 2: Blood and the observation of chromosomes, 3: The genetic material.

NUR 106: Introduction to Nursing, ECTS: 6

Introduction to the science of Nursing. Philosophy of Nursing and Nursing education. Teaching institutions of Nursing. Prospects of progression in specialty areas of Nursing. Introduction to the definitions of health, management and adjustment. Defence mechanisms of the individual. Factors affecting health. Level of primary, secondary and tertiary preventions. Holistic theory of health. Systems theory. Introduction to communication. Models – Types of communication. Obstacles of effective communication and skills that help it. Human needs – Maslow's hierarchy. Nursing skills: Observation – interview – taking and recording vital signs. Introduction to Nursing process – Aims

and objectives. Nursing assessment of the individual's needs and problems. Methods of collecting information – Nursing history – Nursing diagnosis. Nursing theories: description – dynamic factors and limitations of the nursing theories of Hendersen, Orem, Neuman, Rogers and Roy. Clinical practice: See "Clinical Practice I".

NUR 107: Microbiology, ECTS: 5

Immunology; Hypersensitivity; Auto-immunity; Transplantation Immunology; Bacteriology; Morphology; Common strains; Modes of transmission; Diagnostic measures. Virology; Morphology; Common viruses; Modes of transmission; Diagnostic measures. Mycology; Morphology of fungi; Common fungi; Modes of transmission; Diagnostic measures. Parasites: Life cycle, infection route, prevention and control, treatment. Infection Control and European and universal precautions. Laboratory: Presentation of case studies.

NUR 108: Pharmacology, ECTS: 5

General principles related to: Prescriptions, Interactions, General effects of drugs. Main drugs used in the treatment of: Nervous system conditions, Psychoactive drugs, Respiratory conditions, Cardio-vascular conditions, Haematological system conditions, Endocrine and metabolic disorders, Gastrointestinal conditions, Chemotherapy, Infectious conditions, Ophthalmic conditions, Deficiency conditions, Skin conditions. Other therapies. Laboratory: Preparation of solutions of different strengths. Administration of drugs – Recognising dosages and instructions.

NUR 109: Physiology, ECTS: 5

Elements of general physiology, Function of the heart and circulation, Electrocardiograms (ECG), Arterial pressure maintenance, Exchange of tissue fluids, Renal function, Respiratory function, Acid-base balance, Blood, Gastro intestinal tract, Introduction to the function of the nervous system, Membrane of the nerve cell, dynamic, stimulation. Synapses, Physiology of muscular tissue, Physiology of the senses, Physiology of movement, Physiology of the cortex-basic ganglions- cerebellum, Physiology of vision, Physiology of vital functions - autonomous nervous system, Hormones, Reproduction. Laboratory: Demonstration of experiments and tests to help understanding of various physiological functions.

NUR 110: Basic Nursing Care I, ECTS: 6

Nursing role and responsibilities for basic care: hygiene, cleanliness, observation, vital signs, comfort measures, positions; Nursing process; Health assessment: normal signs, body measurements, tools used for observations; Personal and environmental hygiene: Individual care, care of the environment; Body mechanics: Posture, body alignment in motion and rest, positioning; Principles of Asepsis: Aseptic technique, sterilization, disinfection, Isolation; Therapies: hot and cold applications, dry and moist applications, Oxygen therapy, therapeutic exercises; Pain management; the immobile individual; the dying individual.

NUR 111: Biostatistics, ECTS: 5

Descriptive part of Biostatistics/ Presentation of data; Arithmetic Description of Data; Theory of Possibilities; Theoretical Allocations of Possibilities; Sampling Allocation of the Mean Value; Periods of Trust; Inspection of Cases; Comparison of two Mean Values; Analysis of Dispersion; Non Parametric Methods; Conclusion graphs for Proportions; Reference Tables/ Multiples 2x2 Tables; Correlation; Graphic Retrogression.

NUR 112: Sociology, ECTS: 4

The scope of sociology. Advantages and disadvantages of various sociological systems. Social groups. Effects of systems on: Health practices; Economic development; Modes of life; Roles, families; The socialization process and health professionals. Clinical teaching: Field studies, collection and analysis of information.

Clinical Practice I (Aseptic Technique)

Offers opportunities to practice nursing procedures covered in courses NUR 106 and NUR 110. Allocation

to adult wards for practical skills and experience on nursing care, observations and therapies under clinical guidance. Practice and preparation for aseptic technique assessment. (Prerequisites: NUR 106, NUR 110)

NUR 201: Basic Nursing Care II, ECTS: 7

General aspects, Preparation of the student in giving basic Nursing care in Institutions of secondary health care, Hospital – patient – Health Team, Admission to hospital – Taking vital signs, Application of safe preventive, curative, palliative and supporting nursing measure for delivering Holistic Nursing care to the individual up to final stage of life, Positioning, moving and transfer of patient, First Aid, Assessment and basic nursing care of the surgical patient, Application of body protective mechanisms; Clinical Teaching: Demonstration of special skills and techniques pertaining to theory; Practice for safety in the clinical area; Case studies. (Prerequisite: NUR 110)

NUR 202: Epidemiology, ECTS: 5

Introduction to epidemiology: Nature of disease; Epidemiological transition; Common and prevalent disease. Infectious disease: Infection process; Modes of transmission; Patterns of disease occurrence; Preventive and control measures. Sexually transmitted diseases. Non-communicable diseases: Occurrence pattern; Cause of occurrence; Preventive and control measures. Vital Statistics. Laboratory: Recognition of common bacteria and parasites affecting individual.

NUR 203: Dietetics and Nutrition, ECTS: 4

Revision of basic biochemistry: Assessment of nutritional status, Essential food elements, Components of a balanced diet, Needs of various age groups, Nutritional deficiencies, Malnutrition, Obesity, Nutritional needs of vulnerable groups, Principles of dietetics, Therapeutic diets.

NUR 204: Patho-physiology, ECTS: 4

Blood formation system: Introduction; Revision of Anatomy; Physiology; Diseases of the Red Blood Cells and Basic Laboratory study of same. Classification of Anaemias. Diseases of the White Blood Cells. Disorders of haemostasis. Circulatory System: Anatomy; Physiology; Cardiac deficiency; Stenosis, Valve incompetence; Coronary disease; Pericarditis; Arterial hypertension; Shock; Arrhythmia. Respiratory system: Anatomy; Physiology; Bronchial asthma; Chronic bronchitis; Pulmonary emphysema; Pulmonary edema; Pulmonary embolism. Digestive system: Anatomy; Physiology; Gastrointestinal retrogression; Jaundice; Infectious diseases of the intestine; Liver deficiency; Portal Hypertension; Ascites; Pancreatitis. Electrolyte Disorders: Potassium, Calcium; Parathyroids; Thyroid; Suprarenal glands; hypophysis cerebri gland. Nephropathy: anatomy; physiology of the kidneys; nephrotic Syndrome; glomerulonephritis; Focal Nephritis; nephrolithiasis.

NUR 205: General Medicine I, ECTS: 6

Clinical evaluation of the patient: Illness, Symptoms, Physical Points, Diagnosis, Diagnostic approach. Recording of Medical History, Methods of clinical examination of various systems, areas of the body and organs. Diseases of various systems and organs: Immune system: Elements of physiology, autoimmune conditions, immuno-deficiencies, allergic reactions. Musculoskeletal System: Common clinical and laboratory findings. Common diseases of the joints, the connective tissue and the bones (Rheumatoid, deforming, juvenile, psoriatic and infectious arthritis. Systemic deformans, scleroderma, dermatomyositis. Angitias, Osteomyelitis and Osteoporosis). Endocrine Glands: Structure and activity of hormones. Syndromes of hypo and hyper function: Hypophysis, Thyroid and Parathyroid, Adrenal and gonad glands, Endocrine Pancreatic Tumors, Diabetes mellitus. Respiratory System: Elements of Physiology, Functional tests. Para-clinical and Clinical examinations of diseases of the respiratory system. Acute and chronic bronchitis. Pneumonia. Allergic conditions, Bronchiectasis. Emphysema. Pneumothorax. Syndrome of Respiratory insufficiency. Syndrome of Apnoea. Pneumonoconiosis. Tumors of the lung, Pleural Diseases. Pulmonary tuberculosis. Circulatory System: Clinical and Para clinical examinations. Main symptoms and signs. Congenital heart disorders. Valve disorders. Endocarditis.

Pericarditis. Myocarditis. Rheumatic fever. Heart failure, arrhythmia. Angina. Myocardial infarction. Emergency cardiac incidents. Disorders of the vessels. Hypertension. Physical examination of the patient, Acquisition of experience in the performance of intervening techniques., Taking and recording of the medical history of patients, Full physical examination and recording of findings, Observation of the progress and recording the findings on treatment chart, Active participation and acquisition of experience in taking blood and various punctures, Observation and nursing care in performing intervening techniques: Catheterization of the urinary bladder, Abdominal paracentesis, Paracentesis of the thorax, paracentesis of the liver, lumbar puncture, passing a Rhyle's tube, endoscopy of the digestive tract. Laboratory: Demonstration of relevant slides and body tissues that will help in the understanding of the pathological disorders.

NUR 206: Community Nursing I (Family Nursing Care), ECTS: 6

General information on the types of the Health systems; National Health system and institutions of treatment; Primary Health care; The Role of the nurse in the community; Implementation of Nursing process and theoretical models in society; Prevention and maintenance of health; Development of sensitivity in topics of health-education in individuals and groups of Population; Family function; Progressive evaluation of a healthy individual; Intervention for health maintenance of the individual and the family. Clinical practice: Nursery Stations, in primary and secondary health care services.

NUR 207: General Medicine II, ECTS: 6

Digestive tract: Main signs and symptoms, differential investigations; Oesophagus: Oesophagitis, Mallory Weiss Syndrome, Hiatus hernia, achalasia, cancer; Stomach: Peptic ulcer, complications; Intestine: Malabsorption Syndrome, non specific inflammatory enteritis, neoplasms, diarrhoea, constipation, haemorrhage of the digestive tract, acute gastroenteritis, invagination, endoscopy; Pancreas: acute and chronic pancreatitis, cancer and endocrine tumours of the pancreas; Liver and biliary system: physiology, pain signs and symptoms, acute and chronic hepatic failure, functional and laboratory investigations, technical imaging, jaundice, liver cirrhosis, portal hypertension, viral and non viral acute and chronic hepatitis, active and passive immuno-protection, liver cancer, liver transplantation, cholelithiasis, x-rays, endoscopy, cholangio-pancreatography; Haemopoietic system: blood formation organs, the blood cells, clotting factors, mechanism of blood clotting, general blood analysis, anaemias: iron deficiency, megaloplastic, aplastic, haemolitic; erythraemia, reticulocyte count, leukaemias, lymphomas, disorders of blood clotting (thrombocytopenia, haemophilia, diffused intravascular clotting), blood groups, blood transfusion, complications; Infectious disorders: Main findings, prevention. Common diagnosed infections from Gram +ve and Gram -ve bacteria, viruses, Fungi, histoplasmosis, leishmaniasis, hospital infections of low resistance patients, sexually transmitted infections, HIV (AIDS) syndrome; Urinary system: main signs and symptoms, findings in urine, clinical manifestations of uraemia, acute and chronic renal failure, glomerulonephritis, nephritis, nephritic syndrome, artificial haemocatharsis, nephrolithiasis, urinary tract infections, congenital Musculoskeletal System: Common clinical and laboratory findings. Common diseases of the joints, the connective tissue and the bones (Rheumatoid, deforming, juvenile, psoriatic and infectious arthritis. Systemic deformans, scleroderma, dermatomyositis. Angitias, Osteomyelitis and Osteoporosis). Endocrine Glands: Structure and activity of hormones. Syndromes of hypo and hyper function: Hypophysis, Thyroid and Parathyroid, Adrenal and gonad glands, Endocrine Pancreatic Tumors, Diabetes mellitus. Respiratory System: Elements of Physiology, Functional tests. Para-clinical and Clinical examinations of diseases of the respiratory system. Acute and chronic bronchitis. Pneumonia. Allergic conditions, Bronchiectasis. Emphysema. Pneumothorax. Syndrome of Respiratory insufficiency. Syndrome of Apnoea. Pneumonoconiosis. Tumors of the lung, Pleural Diseases. Pulmonary tuberculosis. Circulatory System: Clinical and Para clinical examinations. Main symptoms and signs. Congenital heart disorders. Valve disorders. Endocarditis.

NUR 208: General Surgery, ECTS: 6

Introduction to surgery; Historical development; Recording of the medical history: Clinical examination of the surgical patient; Clinical examination of the nose, ears, pharynx, larynx; Clinical examination of the head and neck; Clinical examination of the thorax-heart-ves-

sels; Clinical examination of the breasts; Clinical examination of the abdomen; Water-electrolytes; Acid-base balance; Disorders in nourishment and artificial feeding; Shock-syndrome of multi-organic failure; Physiology and pathology of healing; Surgical infections; Post operative complications. Clinical Practice: Familiarization of students with the daily activities of the surgical clinic; Visits to the wards; Visits to the operating room; Visits to the ICU; Practice in recording of the medical history; Practice in clinical examination; Classification of Para clinical examinations; Diagnostic methodology; Pre-operative preparation; Post operative observation of various serious conditions. See "Clinical Placement II". (Prerequisites: NUR 106, NUR 110)

NUR 209: Health Education, ECTS: 5

Changing health behaviours; Assessing individual and group health education needs; The educational process; Identification of needs; Educational objectives; Learning strategies; Learning activities; Teaching strategies; Evaluation process; Planning for an educational session: Choice of subject; Definition of learning objectives; Define contents; Design methods and T.L. materials; Design of evaluation tools. Clinical teaching: Design, implementation and evaluation of a small scale health education session for individuals or groups in outpatient clinics, schools and workplace of health centres.

NUR 210: Social and Health Legislation, ECTS: 4

Concepts and principles of environmental health; Organization of PHC; Aspects of environmental health: Water supply; Sewage disposal; Housing facilities; Refuse collection and disposal; Food supply; Pest control; Atmospheric pollution control; School systems; Work places; National legislation and involvement of: Ministry of Health; Ministry of Labour and Social Insurance; Ministry of Commerce and Industry; Ministry of Education; Ministry of Agriculture; Voluntary groups; Responsibilities of citizens. Relevant N.G.O's. role of the nurse in promoting environment health. Field visits and active participation at available projects.

NUR 211: Psychology, ECTS: 5

Development of personality: Human personality-basic concepts; Freudian School; Post Freudian School; Environmental School; Coping and personality. Developmental stages: The Child; Pre-puberty; Puberty; Nuptial; Reproductive; Menopause; Old age – widowhood. Emotional needs during the developmental stages.

Clinical Practice II (Drug administration)

Offers opportunities to practice nursing procedures covered in courses NUR 207 and NUR 208. Placement to: Medical units; Surgical units; Intensive care units; Drug administration assessment. (Prerequisites: NUR 207, NUR 208)

NUR 301: Paediatrics, ECTS: 5

Paediatric medical history and physical examination/ Nutrition and nourishment; The newborn (care, diseases); Infectious diseases/ active and passive immunization; Respiratory system, digestive system, circulatory system, urinary and reproductive system; Metabolic diseases/ blood diseases; Neoplasms, Rheumatoid disorders of childhood; Neurovascular disorders and orthopaedic anomalies; Allergy and paediatric dermatology; Paediosurgical problems; Clinical Practice: Premature newborn up to the age of adolescence; the recognition of the basic characteristics of the normal, the disease and its care; recording the medical history and the examination of the patient. Physiology and pathophysiology of paediatric diseases.

NUR 302: Nursing I – General and Specialized Medicine, ECTS: 6

Primary: Healthy lifestyles and health promotion; The nurses' role in three levels of prevention. Secondary: assessment and nursing management of patients with: Altered levels of consciousness; Fluid electrolyte imbalance; Disturbances of respiratory function; Disturbances of Cardio-vascular function; Blood and peripheral vascular dysfunctions, Stress, Pain, Anorexia, Alteration of sleep, Ischaemia and hypoxia, Immobility, Gastrointestinal dysfunction, Musculoskeletal dysfunction, Renal malfunction, Neurological malfunction, Sensory deprivation,

Neoplasm and cell disorders, Skin disease and burns. Tertiary: maintenance and adaptive care. Clinical teaching: Clinical experience in Medical Units. (Prerequisites: NUR 201, NUR 207)

NUR 303: Specialized Surgery, ECTS: 5

Surgery of the female reproductive organs; Benign conditions of the breast; Malignant conditions of the breast; Benign and malignant conditions of the oesophagus; Benign and malignant conditions of the stomach and duodenum; Benign and malignant conditions of the colon; Acute abdomen; Severe haemorrhage of the digestive system; Cholelithiasis – obstructive jaundice; Surgery of the urinary system; Hernia; Laparo-endoscopic surgery; Conditions of the liver and pancreas; Conditions of the rectum; Preoperative preparation; Post operative observations. (Prerequisite: NUR 208)

NUR 304: Nursing II – General and Specialist Surgery, ECTS: 6

Pre and post operative care. Post operative complications. Organisation and management of the operating theatre. Ligations and stitches. Ulcers. Burns. Palliative care. Assessment and management of symptoms. Encouragement and communication. Alternative treatments. Gaining of skills in the treatment of the operated patient. The patient in the terminal stage of illness. Breast – Self examination. Differential diagnosis: Benign or malignancy. Prevention of side effects. Chemotherapy – Radiotherapy – phototherapy (incl. Laser therapy). Prevention of side effects as dizziness or vomiting at or after therapy sessions. Emergencies – Management of cases. Trauma. Pain; Acute or chronic; Consulting at home. Teaching patients with cancer/ positive reinforcement. Drugs. Special pre-operative management. Home nursing pre or post surgery period. Multi cultural societies, nursing and health services. Clinical teaching: Surgical wards; Oncology unit; Operating theatre; Sterilisation unit; Out patient clinics; Accident and emergency unit; Participation in the pre and post operative management of the patient. (Prerequisites: NUR 110, NUR 201)

NUR 305: Nature and Ethics of the Profession, ECTS: 4

The discipline of Ethics: Traditional, theories, principles of ethics. Ethical concepts of nursing practice: Advocacy; Accountability/Responsibility; Co-operation; Caring. Application in nursing practice: Nurses and people; Nurses and practice. Role of the Nursing Association. Codes for Nurses. Nursing theory: Definition; Major nursing theories.

NUR 306: Principles of Teaching, ECTS: 4

Basic principles of Education; The Educational process; Educational objectives; Learning strategies; Teaching strategies; Teaching methods; Planning for an educational session; Evaluation process; Undertake teaching practice on specific topics. Clinical teaching: Design, implementation and evaluation of a small scale health education session.

NUR 307: Nursing III – Child Care and Paediatrics, ECTS: 6

Primary: Principles of paediatric care. Care of healthy infants and children: Growth and developmental stages; Assessment and measurement; Immunization; School health. Secondary: Care of the hospitalised infant and child; Physical needs; Emotional needs; Social needs. Care of infants/children with common paediatric problems: Neoplasms and leukaemias; Hydration problems; Nutrition problems; Urinary problems; Parasitic problems; Infectious problems; Respiratory and Cardiac problems; Skin problems and burns. Care of infants/children with common paediatric surgical problems: Congenital anomalies; Paediatric emergencies; Pre and post-operative care. Tertiary: Care of the child with chronic illnesses and handicap. Clinical teaching: Care of healthy and sick children and their families. Clinical Practice: See "Clinical Placement III".

NUR 308: Nursing IV – Maternity Care, ECTS: 6

Anatomy and Physiology of pregnancy. Foetal growth and development. Normal labour and delivery. Abnormalities in labour and delivery. Antenatal, perinatal and post-natal management. Management and care of women with common gynaecological condi-

Description of Courses

tions. Diagnostic evaluation of the female reproductive system. Nursing care during: Normal pregnancy delivery and puerperium; Abnormalities; Inflammatory and infectious problems; Displacement and injuries to the reproductive system; Neoplasms; Family planning and infertility. Initial assessment of the newborn and care. Clinical teaching: Pertinent to this subject. Clinical practice: See "Clinical Placement III".

NUR 309: Psychiatry, ECTS: 4

Organic disorders, schizophrenia, other psychotic disorders, neurosis, personality disorders and dependency conditions. Differential diagnosis; Therapeutic approaches; Psychiatry: Communal Psychiatry, Community Psychiatric Center, Communal Psychiatric Health; Clinical therapeutic subjects in the Communal Psychiatric practice, the social supportive systems, steps of psychosocial rehabilitation; Observation of clinical psychiatric cases in psychiatric clinics and psychiatric health centers; In vivo presentation of the clinic and the diagnostic approach; Therapeutic approaches. Clinical practice: See "Clinical Placement III".

NUR 310: Emergency Medicine and Nursing, ECTS: 5

Concepts and principles of emergency care: Role of individual members of the health team; Priority setting; Organization and management of the unit. Concepts of intensive care. Role of individual members of the health care team: Principles of care; Management of care; Types of patients and their needs. Biomedical instrumentation: Types of equipment used; Maintenance; Protection from hazards; Teaching of patients. Clinical teaching: Applications of theoretical knowledge in clinical settings. (Prerequisite: NUR 302)

NUR 311: Community Nursing II, ECTS: 5

Organization of Primary Health Care Services; Definition and objectives of community care; Methods of organization and function, in Europe and the rest of the world; In Cyprus; Analysis of the role of the community Nurse in Health centres, the family, places of work, recreation and athletics; Old aged, persons with special needs and low defence groups in all ages; Nursing and Nursing care at home; The Role of the Nurse in Health education and Health Promotion; Organization of health education programs for prevention in all sections and groups of the community; The Nurse and the environment; Environmental health research in the community; The role of Nurse in the hygiene of homes, education and work of the citizens.

NUR 312: Home Nursing, ECTS: 4

Scope of community nursing. Preventive aspects and health promotion activities. Nursing functions in primary, secondary and tertiary prevention. Family nursing care. Home nursing care: Patients with special needs: Diabetes; Cancer; Aids; Psychological disturbances. Clinical teaching: Pertinent to this subject. Clinical practice: See "Clinical Placement III". (Prerequisite: NUR 206)

Clinical Practice III (Total patient care)

Offers opportunities to practice nursing procedures covered in courses NUR 307, NUR 308, NUR 309 and NUR 312. Allocation of students to: Paediatric Units; Maternity Units; Psychiatric Units; Home Nursing; Rural health centers; School health centers; Infant and welfare clinics; Welfare services. (Prerequisites: NUR 307, NUR 308, NUR 309, NUR 312)

NUR 401: Nursing V – Care of the Old and Geriatrics, ECTS: 5

Primary: Concepts and needs of old age; Principles of care and management; Preventive aspects. Secondary: assessment and management of old people with disabilities. Assessment and care of older individuals with: Sensory deprivation; Changes of body image; Immobility; Urinary problems; Neurological problems; Cardio-vascular problems; Orthopaedic and joint problems. Tertiary: Maintenance Care. Clinical teaching: Pertinent to this subject. Clinical practice: See "Clinical Placement IV".

NUR 402: Nursing VI – Mental Health and Psychiatry, ECTS: 5

Primary: Major theories in mental health; Psychopathology of mental health disorders; Impact

of mental health disorders. Secondary: Therapeutic and nursing management. Tertiary: Institutionalized patients and therapeutic management. Clinical teaching: Practice in Hospitals, Community and day care centres. (Prerequisite: NUR 309)

NUR 403: Intensive Care Medicine and Nursing, ECTS: 4

Patho-physiological and psychological mechanisms and therapeutic roles of the nurse. Organization in Intensive Care Units (ICU). Principles for continuous monitoring of the severely sufferer: continuous monitoring of the cardiovascular, haemodynamic, respiratory, lumbar and neurological functions; Clinical examination and articulation and re-evaluation of the diagnosis; X-ray diagnosis at ICU. Methods of respiratory support and nursing interventions. Injuries to the central nervous system, neurosurgical problems-Study of Clinical Case with Central Nervous System injury; Respiratory disorders. Study of Clinical Case (Acute Respiratory Difficulty, VIP); Burns and respiratory disorders. Study of Clinical Case (Burn-Traumas); Cardiovascular disorders, cardio surgical problems, blood pressure and heart function support. Study of Clinical Case (Cardiovascular Disorders); Gastro intestinal and urinary system. Study of Clinical Case 5 (Pancreatitis, Peritonitis, ONA); Immune and endocrine disorders; Multi organ disorders. Special topics of infections in the ICU. Study of Clinical Case 6 (Coagulation Disorders, Multi Organ Dysfunctions, HIV); Bedside behaviour in the ICU and communication. Laboratory: Laboratory/seminar exercises, projection of video with clinical cases of intensive and emergency treatment. Clinical teaching: Clinical teaching in ICUs and evaluation and clinical care of the severely ill. The nursing diagnostic system NANDA. Clinical practice: See "Clinical Placement IV", (Prerequisite: NUR 310)

NUR 404: Counselling, ECTS: 4

Assessing individual and group needs. The counselling process. Methods used. Planning sessions: Choice of subject; Definition of objectives; Definition of contents; Confidentiality promotion; Design of evaluation tools; Design, implementation and evaluation of a counselling session.

NUR 405: Research Methodology, ECTS: 4

Research and Problem solving. Research methodology: Ethical issues; Theory, hypothesis, concepts and terms; Steps, research proposal; Sampling; Design (descriptive, experimental, Quasi-experimental survey, documentary). Methods / Instrumentation: Observation; Internet use; Questionnaire; Interview. Measurement: Validity, reliability. Laboratory: Presentation of research studies. Clinical teaching - Research: Small-scale research.

Clinical Practice IV

Offers opportunities to become familiar with care of the old and Geriatrics and management of severely ill patients and practice knowledge gained from courses NUR 401, NUR 403. Allocation to: Geriatric Units; Intensive and emergency care units. Total patient care assessment. (Prerequisites: NUR 401, NUR 403)

NUR 406: Legal Aspects of Nursing, ECTS: 4

Relevant legislation controlling bodies and their function; Legal aspects of nursing and professional practice; Code of Professional Conduct; Patient consent and patients rights; Registration; Documentation of care; Standards of education and practice; Role of professional organisations; Role of Unions.

NUR 407: Hospital Acquired Infections, ECTS: 4

Introduction to Hospital acquired infections; Areas of high risk – operating theatres, intensive care units, paediatric units; The value of the Infection Control Committee; Records of hospital infections; Education of hospital staff on modes of transmission, prevention, antibiotics; Prevention and control measures; Vital statistics. Clinical teaching: Pertinent to this subject. (Prerequisites: NUR 107)

NUR 408: Administration of Nursing Services, ECTS: 5

General concepts and principles of administration; Principles of Nursing management; Development of management theories; International theoretical man-

agement frame of Nursing Services; Organisational systems and management of Nursing service; Programming in Nursing management; Organization of Nursing services – methods, communication – evaluation – control in Nursing management; Staff development, continuous education, systems of work, teaching, decision taking in nursing management; Concepts of planning: allocation, philosophy, aims and management plans; Staffing and programming; Management of human resources; Basic knowledge on estimates budgeting; Decision taking and problem solving; Decentralisation and participation process; Leadership; Motivation; Communication; Resolution of conflicts; Quality management; Performance evaluation; Recompense based on production. Clinical teaching: Pertinent to this subject. Clinical Practice: See "Clinical Placement V". (Prerequisite: NUR 102)

NUR 409: Research Project, ECTS: 8

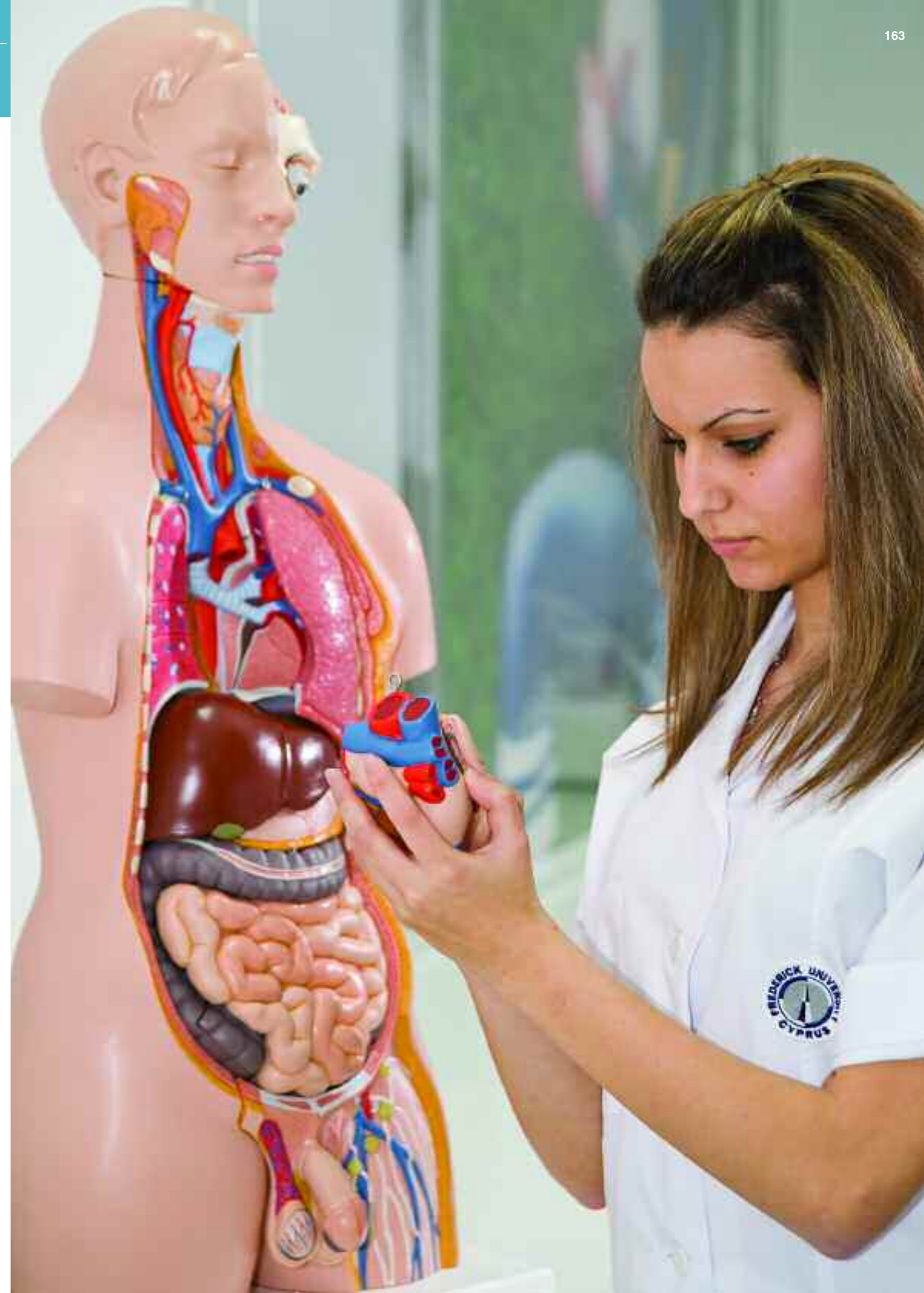
This subject offers the opportunity to nurses to acquaint themselves on the methods used for project development and to gain experience in project presentation. (Prerequisite: NUR 405)

NUR 410: Communication and Administration (Management Assessment of a Nursing Unit), ECTS: 5

Oral communication; Written communication; Report writing; Preparation and presentation of case studies; Communication with individuals, patients and co-workers. Assessment of a Nursing Unit. Clinical teaching: Pertinent to this subject. Clinical Practice: See "Clinical Placement V". (Prerequisites: NUR 102)

Clinical Practice V

Offers opportunities to have an overall understanding of all disciplines involved in the health care, based on the overall knowledge and skills gained. Practice nursing procedures covered in courses NUR 408 and NUR 410. Allocation to hospital units for management experience with guidance and supervision. (Prerequisites: NUR 408, NUR 410)



School of Greek Language

The School of Greek Language commenced its operation in 2009 and offers courses of Modern Greek Language and Civilization to foreign and local students in three different stages. The School aims at the acquirement of oral and written fluency in the Greek Language and the acquaintance of students with the civilization of Cyprus and Greece and the tradition and customs of the Cypriots and the Greeks.

Stages:

Stage 1- Elementary (for students with no or very little knowledge of the Greek Language) – 15 hours weekly

Stage 2- Intermediate (for students with some knowledge of the Greek Language)- 15 hours weekly

Stage 3 - Advanced (for students with considerable knowledge of the Greek Language)- 9 hours weekly

Certificate of Attainment in Greek Language

In addition, Frederick University has been validated and authorized by the **Centre for the Greek Language** which is supervised by the Ministry of Education and Religious Affairs of Greece as an Examination Centre for the **Certificate of Attainment in Greek Language**. The examination procedures fall under the responsibility of the Centre for the Greek Language.

Coordinator

Hadjipanayiotidou Anna

The Frederick Language Center

The Frederick Language Center supports the teaching of languages in the various faculties of the University. It offers the opportunity to all student population to learn and improve their knowledge of foreign languages. The courses offered might be either compulsory or elective. The center offers courses in languages of the highest quality, informed by the results of the best research and taught by instructors of eminence in the field. The center aims at improving the students' communicative activities in the foreign language both socially and academically. Data collection through the Internet and other academic resources as well as synthesis of authentic texts in a foreign language are among the aims of the center. The acquisition of the foreign language involves the development of all aspects of the language – reading, writing, listening and speaking. This is achieved through the use of specific textbooks, selection of authentic material from magazines, newspapers, journals, etc, and the students' training in the language laboratory of the University. The center provides teaching, practice, and all required means needed for the development of students' communicative skills. In the cases where the language courses are compulsory, it is essential that the students satisfy all course requirements. At present, the center offers different levels of courses in English and two levels in the French and German languages. Some of the above courses are offered as electives to undergraduate students.

English Language Courses

The main aim of the program is to provide the student population with the opportunity to improve and further develop their knowledge of the English language.

The program is designed to enable students to use the language effectively in both social and academic environments. It offers courses to cover a wide spectrum of knowledge in the language. The courses provided are of different levels, thus satisfying all students' communicative needs. Upon admission, all students are required to take a placement test and are placed into levels based on their placement test scores. In all courses, students are provided with the opportunity to develop the required skills needed for effective and more advanced communication. In particular, special emphasis is given on improving students' skills to collect data through the Internet and other academic resources, to synthesize authentic texts and generally produce work of high quality in English.

Coordinator

Hadjittofi Maria

Teaching Staff

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English Language and General Elective Courses Descriptions

English Language Courses Descriptions

AENG099 Intensive English

This 4-week academic program provides 10 periods of classroom instruction per week for students who need to significantly improve their English before enrolling in the university. The program is designed for students who desire to improve their English language skills so as to be able to communicate effectively both socially and academically in their program of study. It includes instruction in grammar, speaking, listening, reading, writing, vocabulary development, and pronunciation. The students are placed into levels based on their placement test scores.

AENG101/ENG101 Basic English

The main aim of the course is to develop the students' ability to comprehend and analyse oral and written language and improve their skill to communicate thought and express themselves clearly and accurately at basic level. It involves an intensive study of the language including major aspects of grammar and syntax. On completion of the course, students should be capable of using the language confidently at basic level.

AENG102 / ENG102 Intermediate English

The main aim of the course is to further improve students' ability to communicate effectively in English. The course aims at providing the students with a further study on the language structure, vocabulary development, comprehension and basic writing skills leading them from the paragraph writing stage to the development of an essay. Extensive practice aims at improving students' speaking, listening, reading and writing skills. On completion of the course, students are expected to develop the ability to be original and creative in expression, producing original texts and communicating effectively both orally and in writing at intermediate level. Prerequisite: AENG 101

AENG213 / ENG213 English Composition

The main aim of the course is to develop the students' writing and oral skills on a mature level, and provide guidelines on various pieces of writing such as essays, letters and curriculum vitae. Students are asked to apply and practise all language skills in oral and written tasks achieving accurate and advanced communication as well as analyze authentic texts and justify their opinion with accuracy and precision. Developing and establishing opinions, synthesizing texts and ideas and expressing authentic thought with clarity are among the main objectives of the course. Prerequisite: AENG 102

AENG214 / ENG214 Advanced Writing

This course is designed to develop students' fluency in the oral and written word. The students are expected to improve their oral skills through debates and active participation in pair, group and research work. Attention is given on writing reports, projects and memoranda. Analyzing and understanding information in both familiar and unfamiliar context and interpreting complex discourse are also skills to be developed. During the course, it is also essential for students to synthesize advanced written word and present it either orally or in writing in a logical and fluent manner. Prerequisite: AENG 102

ABCO101 Business Communication 1

The course is designed to enable students to understand well enough and paraphrase basic business vocabulary in English. Students are prepared to apply the English language, enhanced by this new vocabulary in simulated business-related conversations. Students are also expected to identify ways of improving business communication through the use of clear language. During this course students are encouraged to create their own dialogues to illustrate ways in which different business problems can be avoided.

ABCO Business Communication 2

The primary objective of this course is to facilitate students to understand and paraphrase vocabulary and phrases relating to academic approaches to business. Students are prepared to apply the English language enhanced by this new vocabulary in simulated business-related conversations. This course enables students to

understand the key elements of the different business disciplines and write their own essays showing that language has reached a sufficient level.

ARRW 101 Business Research and Report Writing 1

The main aims of the course are to develop students' ability to understand the need for, and methods to search for, extract and synthesize information in a particular subject area. Students are asked to write technical reports and academic papers to professional and academic standards and are expected to obtain information from a variety of sources. During the course, it is also essential for students to evaluate information sources and to synthesize information in focused ways in order to develop and support arguments.

ARRW 102 Business Research and Report Writing 2

This course is designed to further improve students' ability to search for, extract and synthesize information. Students are asked to write technical reports, academic papers and research proposals and are expected to use more advanced methods of obtaining information. Attention is also given to evaluating data and information. During the course, the students should also be able to identify and respond accordingly to the specific requirements of different projects. On completion of the course, students should be capable of generating ideas for proposal, for academic research and for professional investigation.

General Elective Courses Descriptions

These courses aim to introduce Greek and Cypriot students to Modern Greek Literature and History of Cyprus. Elective courses of Greek language and History of Cyprus are also offered for foreign students.

AEGL111 Modern Greek Literature, ECTS: 2

The course includes representative works of Greek literature and poetry. By attending this course students will be introduced to the work of some important Greek authors and to the basic characteristics of their writing style. Extracts of texts or poems from the work of the following authors are analysed: Konstantinos Kavafis, Antonis Samarakis, Dionysios Solomos, Nikos Gatsos, Giorgos Seferis, Stratis Tsirkas, Nikos Kavadias, Dimitris Chatzis, Aleksandros Papadiamantis.

AECH111 Cyprus on the 20th century, ECTS: 2

This course examines the relationship between Cyprus, Britain and Turkey (1878-1914), the political and economic issues (1914-1931), the re-emergence of the 'Cyprus Question' and the struggle for Liberation, the Cypriot Republic (1960-1974), the Turkish invasion of 1974 and its effects on Cypriot Society, and the entrance of Cyprus to the European Union.

AEGL101 Introduction to the Greek Language, ECTS: 2

The aim of the course is to provide the students with basic communicative skills that will prove useful in a great range of everyday situations; to help the students speak simply and correctly, to develop their listening abilities, and their ability to write correctly; to entice students' enthusiasm by showing them that they learn to speak from the very beginning. On the completion of the course the student will be able to use the Greek language in everyday dialogues and read and understand simple texts.

AECH 101 Introduction to the History of Cyprus, ECTS: 2

This course aims to introduce foreign students to the history of Cyprus, a small island that has always played an important role in the history of the Mediterranean, far exceeding its size. This is mostly caused by its strategic position in the Mediterranean Sea. Therefore the island was also subject to many invasions and the culture is a mixture of influences from many worlds. The course introduces students to Neolithic Age, Chalcolithic Age, Bronze Age, Early Iron Age, Archaic and Classical Period, Hellenistic period, Roman Period, Byzantine period, Late Middle Ages, Ottoman period, British period, Republic of Cyprus, and present period.