DEMOCRITUS UNIVERSITY OF THRACE

DEPARTMENT OF NURSING

UNDERGRADUATE PROSPECTUS
DESCRIPTION OF MODULES

21-6-2025

CONTENTS

MODULES 1ST SEMESTER

COURSE OUTLINECLINICAL ANATOMY

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ANA101**	**SEMESTER**	**WINTER**
COURSE TITLE	CLINICAL ANATOMY		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	5
LABORATORY PRACTICE	2	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- Know, understand and use medical and anatomical terminology appropriately to describe the structure of the human body.
- Know and understand the structure of the organs of the musculoskeletal system (bones, joints, muscles) and identify the topographical and functional relationships between them.
- know and understand the structure of the organs of the circulatory system (heart and vessels) and identify the topographical and functional relationships between these organs and the other anatomical forms and systems of the human body.
- know and understand the structure of the sensory organs (skin, eyes, ears, ears, rhinestones, tongue) and identify their topographical and functional relationships with the other anatomical forms and systems of the human body.
- synthesise and organise anatomical knowledge and be introduced to the clinical and diagnostic evaluation of diseases of the musculoskeletal and circulatory systems and the sensory organs, the basic principles of kinesiology and the identification of anatomical features by means of various forms of imaging.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*

Teamwork *Working in an international environment* *Working in an interdisciplinary environment* *Production of new research ideas*	*sensitivity to gender issues* *Critical thinking* *Promoting free, creative and inductive reasoning*
Critical thinking *Promoting free, creative and inductive reasoning* *Autonomous work*	

3. COURSE CONTENT

Theory
1.Introduction to Human Anatomy: from cell to systems, medical and anatomical terminology
2.Clinical recognition of muscle neurosis and function and its relationship to competing and antagonist muscles
3.Musculoskeletal system: Osteology; Myology; Myology
4.Circulatory system - Understanding of the arterial and venous network of the limbs, abdomen and thorax - Understanding of the arterial and venous network of the heart
5. Sensory Organs
6. Nervous system
7. Endocrine glands
8. Respiratory system
9.Digestive system
10.Genetic system
11. Urinary system
12. Components of the skin
13. Blood and lymphocyte system

Laboratory practice
1. Skeleton of the spine
2. Skeleton of the thorax
3. Skeleton of the upper limb
4. Skeleton of the lower limb
5. Skeleton of the head
6. Joints of the upper limb
7. Joints of the lower limb
8. Joints of the spine
10.Palpation of human organs
11.Description of organ systems
12. Demonstration of basic areas of the sensory organs
13. Demonstration of the basic areas of the endocrine glands

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	*Workload/semester*
Lectures	39
Laboratory practice	26
Study	82
Exams	3
Total	150

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questions open-ended questions

5. SUGGESTED BIBLIOGRAPHY

1.Platzer W., Fritsch H., Kuhnel W., Kahle W., Frotscher M., Εγχειρίδιο Περιγραφικής Ανατομικής. Κινητικό σύστημα, Εσωτερικά Όργανα, Νευρικό σύστημα και Αισθητήρια Όργανα. Πασχαλίδης, 2011

2. Netter F. Ανατομία του Ανθρώπου, Άτλας Βασικών Ιατρικών Επιστημών. Πασχαλίδης, 2004

3. Sobbotta. Άτλαντας Ανατομικής του Ανθρώπου, Τόμος 1 & 2. Παρισιάνου 2010

4. Moore K.L., Dalley A.F., Agur A.M. Κλινική Ανατομία. Πασχαλίδης, 2012

COURSE OUTLINEPHYSIOLOGY

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ANA102**	**SEMESTER**	**WINTER**
COURSE TITLE	PHYSIOLOGY		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	5
LABORATORY PRACTICE	2	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes *Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of*

the course.

Upon successful completion of the course, participants will be able to:
- Know and understand basic principles of nerve and muscle cell function.
- Know and understand the basic principles of sensation through the description and function of sensory and proprioceptive receptors.
- knows and understands the basic functions of blood and its components.
- knowledge and understanding of the basic principles of the immune system, the autonomic nervous system and metabolism

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

Critical thinking
Promoting free, creative and inductive reasoning
Autonomous work

3. COURSE CONTENT

THEORY

1. Basic & Cellular Physiology: Introduction, Cell structure & composition, Transport processes, Cell migration, Ion channels
2. Membrane dynamics, The role of Ca2+, Energy production & metabolism,
3. Nerve cell: Structure & function, Resting potential, Action potential, Synapses - synaptic transmission, End motor plate, Sensory receptors
4. Muscle cell, Linear muscle cell, Linear muscle cell contraction, Linear muscle cell contraction, Linear muscle structure, Linear muscle contraction types, Smooth muscle cell, Smooth muscle - types of smooth muscle, Cardiac muscle cell, Energy for muscle contraction, Muscle work production - Exercise
5. Blood: Blood composition and function, Red blood cells, Red blood cell, Erythropoiesis, Haemoglobin: composition, functions, degradation, White blood cells, Platelets, Blood groups, Iron metabolism Erythropoiesis, Plasma, Plasma, Lymph, Haemostasis, Coagulation, Fibrinolysis-Ion distribution.
6. Immune system: Non-specific immunity, specific immunity
7. Metabolism: Energy metabolism, Basic metabolism - nutrition
8. Nutrition: proteins, carbohydrates, fats, minerals, vitamins
9. Thermoregulation: heat balance, Heat transfer in the body, Body temperature, Body temperature, Regulatory mechanisms
10. Introduction to the Autonomic Nervous System
11. Physiology of Cardiac Muscle and Smooth Muscle Fibres
12. Endocrine glands (thyroid, parathyroid, pancreatic endocrine, adrenal, reproductive)
13. Urinary system - Acid-base balance

LABORATORY PRACTICE

1. Use of a simple microscope. Cell tissues. Measurement of red and white blood cells2. blood cells.
3. Blood groups, Hematocrit, TKE, Electrophoresis of haemoglobin.
4. Determination of flow time and clotting time, Osmolality.
5. Measurement of blood pressure, microcirculation.
6. The work of breathing-Spirometry oximetry.
7. Electromyography, Tendon reflexes.
8. Electroencephalogram, Checking the lens of the eye-Optical
9. Acuity.
10. Pupillary reflexes, Colour vision, Exophthalmometry,
11. Audiogram

12.	Determination of body mass composition.
13.	Measurement of bone density by ultrasound

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	*Workload/semester*
Lectures	39
Laboratory practice	26
Study	82
Exams	3
Total	150

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Writtenexam, consistingof multiplechoice questionnairescombinedwithshort-answerquestionsshort-answerquestions open-endedquestions Oral examination on the material of the laboratory exercises (100%)

5. SUGGESTED BIBLIOGRAPHY

1. Βασικές Αρχές Φυσιολογίας του Ανθρώπου, StanfieldC, BROKENHILLPUBLISHERSLTD, 2023
2. Oxford Φυσιολογία του Ανθρώπου-Βασικές Αρχές, PocockG., RichardsC.D., RichardsD.A. BROKENHILLPUBLISHERSLTD, 2023
3. Φυσιολογία ανθρωπίνου σώματος, 2η έκδοση, Αλμπάνη Μαρία, Βενετίκου Μαρία, Παπαλιάγκας Βασίλειος, Σπάνδου Ευαγγελία, Επιμ. Αλμπάνη Μαρία, UNIVERSITYSTUDIOPRESS,2022
4. Vander's Φυσιολογία του Ανθρώπου, EricP. Widmaier, HershelRaff, KevinT. Strang,UTOPIA ΕΚΔΟΣΕΙΣ Μ. ΕΠΕ,2022

COURSE OUTLINEBIOLOGY

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ANA103**	**SEMESTER**	**WINTER**
COURSE TITLE	BIOLOGY		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	TEACHING HOURS PER WEEK	ECTS CREDITS
THEORY	3	4
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- understand the principles of biology and the basic biological mechanisms
- the basic concepts of molecular biology.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

Critical thinking
Promoting free, creative and inductive reasoning
Autonomous work
Project design and management
Production of new research ideas

3. COURSE CONTENT

1 . The properties and origin of life
2. Diversity - Evolution
3. The chemical basis of life
4. Biomolecules (structure and functions)5. DNA: The molecule of life
6. Prokaryotic cells.
7. Eukaryotic cells
8. Genetics (Chromosomes & Heredity)
9. Organisms without cellular structure (viruses-viruses-prions)
10. Tissues - systems of the human body
11. Homeostasis - thermoregulation
12. Embryology & Development
13. Animal Poisons & Toxins

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face

USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Writtenexam, consistingof multiplechoice questionnairescombinedwithshort-answerquestionsshort-answerquestions open-endedquestions

Activity	*Workload/semester*
Lectures	39
Study	78
Exams	3
Total	120

5. SUGGESTED BIBLIOGRAPHY

1.Βιολογία. Αιμιλία Ζήφα, Ζήσης Μαμούρης, Κατερίνα Μούτου. Εκδόσεις Παν/μίου Θεσσαλίας.Εκδοση 2/2011

2.Ζωική Ποικιλότητα-Βασικές Αρχές Ζωολογίας με Εργαστηριακό Οδηγό

Κωδικός Βιβλίου στον Εύδοξο: 86055626 Έκδοση: 1/2020 Συγγραφείς: Hickman Cleveland P., Kats Lee., Keen Susan L., Roberts Larry S., Larson Allan, Eisenhour David J. BROKEN HILL PUBLISHERS LTD

3. Βιολογία 2η ελληνική/2024 .Cecie Starr, Christine Evers, Lisa Starr UTOPIA ΕΚΔΟΣΕΙΣ Μ. ΕΠΕ.

COURSE OUTLINE HEALTH PSYCHOLOGY

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ANA104**	**SEMESTER**	**WINTER**
COURSE TITLE	HEALTH PSYCHOLOGY		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	3

Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge	
PREREQUISITES:	-	
TEACHING & EXAMINATION LANGUAGE:	GREEK	
COURSE OFFERED TO ERASMUS STUDENTS:	No	
COURSE URL:	https://eclass.duth.gr/courses/1021376/	

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- understand health as a multifactorial phenomenon, but also understand illness through its psychosocial dimensions
- understand psychological techniques and interventions
- acquire basic knowledge of the concept of psychology as a human science
- understand the relationship between nursing and psychology

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

Critical thinking
Promoting free, creative and inductive reasoning
Autonomous work
Project design and management
Production of new research ideas

3. COURSE CONTENT

1. Basic principles and knowledge of psychology; introduction to health psychology: Holistic view of health - Models of health.
2. Personality and psychological theories (psychodynamic, behavioral, cognitive, humanistic, and systems approaches).
3. The concept of stress; management mechanisms
4. Psychosomatic diseases and stress. Psychological reactions of the patient; psychological reactions of the patient.
5. Management of pain through the biopsychosocial approach
6. Occupational stress and mental resilience
7. Chronic diseases and psychological interventions (diabetes mellitus, rheumatoid arthritis, cardiovascular problems, etc.)
8. Psychosocial dimension of chronic disease
9. Patients with cancer: Quality of life at all stages of the disease
10. Loss-Mourning and Bereavement - basic principles of bereavement and children
11. The grief of health professionals
12. Empowerment and self-care
13. Conflicts in health care - conflict management

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	**Activity** / **Workload/semester** Lectures 39 Study 48 Exams 3 Total 90
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Writtenexam, consistingof multiplechoice questionnairescombinedwithshort-answerquestionsshort-answerquestions open-endedquestions

5. SUGGESTED BIBLIOGRAPHY

1. ΨυχολογίατηςΥγείας-ΜιαΒιοψυχοκοινωνικήΠροσέγγιση, Straub O. Richards ΕΚΔΟΣΕΙΣ : BROKEN HILL PUBLISHERS LTD,2021
2. Η ψυχολογία στο χώρο της υγείας, Παπαδάτου Δανάη, Αναγνωστόπουλος Φώτιος ΕΚΔΟΣΕΙΣ ΠΑΠΑΖΗΣΗ ΑΕΒΕ,2011
3. Μπελλάλη Θ. Βασικές γνώσεις ψυχολογίας για επαγγελματίες υγείας ΕΚΔΟΣΕΙΣ: ΚΡΙΤΙΚΗ, Αθήνα 2008

COURSE OUTLINE INTRODUCTION IN NURSING SCIENCE

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ANA105**	**SEMESTER**	**WINTER**
COURSE TITLE	INTRODUCTION IN NURSING SCIENCE		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	4	10
LABORATORY PRACTICE	4	

Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area	
PREREQUISITES:	-	
TEACHING & EXAMINATION LANGUAGE:	GREEK	
COURSE OFFERED TO ERASMUS STUDENTS:	No	
COURSE URL:	https://eclass.duth.gr/courses/NURS101/	

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- become familiar with the concept of Nursing Science
- Understand its conceptual and philosophical framework and its clinical applications with emphasis on the development and documentation of the nursing process
- understand the management of patient care in a scientific, holistic and dynamic way through contemporary nursing theories

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

THEORY

1.Introduction to the science of nursing: Definition- Objectives of Nursing- Nursing in health and disease
2.Factors affecting health. The concept of wellness promotion in health and illness.
3.Basic human needs: Individual, Family, Community.
4.The Process of communication - Forms of communication - Factors influencing it. Communication in the Nursing Process-Factors that promote effective communication. Development of therapeutic communication skills and techniques.
5.Physical Examination - Taking and counting Vital Signs
6.Nursing Process: Stages of the Nursing Process - Documentation- Characteristics of the Nursing Process.
7. Nursing Assessment - Methods of Data Collection (Observation, Interview, Nursing History).
8.Nursing Diagnosis: Formulation, Validation and Prioritization of Nursing Diagnoses- Recording the Nursing Care Plan.
9.Recording of the Nursing Care Plan.
10. Nursing research - Evidence-based nursing practice
11.Critical presentation of contemporary nursing theories.
12.Patients with chronic health problems

13.Hygiene - antisepsis - antisepsis - sterilization - nosocomial infections

LABORATORY PRACTICE
1.Communication. Forms and scenarios of communication.
2.Establishing a therapeutic relationship and therapeutic environment.
3.Communication and nursing process.
4.Development of therapeutic skills and communication techniques-avoiding barriers. Exercises.
5.Nursing Process. Stages, characteristics, documentation, recording, exercises with concrete examples.
6.Nursing Process Interview- Psychosocial assessment of a person/individual.
7.Nursing history (Nursing Diagnoses per NANDA)- Applications of nursing process in case studies.
8.Physical Examination. Taking and recording of Vital Signs, Respiratory-Saturation-Blood Pressure recording on thermometric chart, student practice.
9.Taking and recording of Vital Signs. Temperature-tension; recording on thermometric chart, student practice.
10.Principles of asepsis, antisepsis, sterilization.
11.Sanitary hand washing. Sterile gloves; application and removal of surgical gloves.
12.Asepsis. Operation and handling of a furnace, packing of instrument sets for sterilization, preparing and maintaining a sterile field, positioning and handling of objects in a sterile field.
13. Nursing unit (organization-chamber-equipment). Principles of human body mechanics. Preparation of a bed without a patient.

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Writtenexam, consistingof multiplechoice questionnairescombinedwithshort-answerquestionsshort-answerquestions open-endedquestions Oral examination on the material of the laboratory exercises (100%)

Activity	*Workload/semester*
Lectures	39
Laboratory practice	52
Study	206
Exams	3
Total	300

5. SUGGESTED BIBLIOGRAPHY

1. Κλινικές Νοσηλευτικές Δεξιότητες και Νοσηλευτική Διεργασία, LynnP. ΕΚΔΟΣΕΙΣ : BROKENHILLPUBLISHERSLTD

2. Εισαγωγή στη Νοσηλευτική Επιστήμη, Σοφία Ζυγά ΒΗΤΑ ΙΑΤΡΙΚΕΣ ΕΚΔΟΣΕΙΣ ΜΕΠΕ
3. Εισαγωγή στη Νοσηλευτική Επιστήμη και τη Φροντίδα Υγείας 2η έκδοση, Πολυσυγγραφικό ΕΚΔΟΣΕΙΣ : BROKENHILLPUBLISHERSLTD
4. Εισαγωγή στην επιστήμη της νοσηλευτικής.Μ. Κελέση, Γ. Φασόη, Δ.Παπαγεωργίου ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
5. Αρχές και κλινικές δεξιότητες στη νοσηλευτική. Γ. Φασόη, Μ,Κελέση, Δ.Παπαγεωργίου ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ

COURSE OUTLINEBIOCHEMISTRY

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	ANA106	**SEMESTER**	WINTER
COURSE TITLE	BIOCHEMISTRY		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	3	3
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

2. LEARNING OUTCOMES

Learning Outcomes
Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- answer questions about the structure and role of both the structural units and macromolecules of the cell, its metabolism and regulation in both normal and pathological situations.
- interpret metabolic disorders occurring in the human body and in understanding therapeutic approaches

General Skills
Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

Critical thinking

Promoting free, creative and inductive reasoning
Autonomous work
Project design and management
Production of new research ideas

3. COURSE CONTENT

1 . The role and function of proteins in the body
2. Protein metabolism and its disorders.
3. Fluid and electrolyte balance
4. Acid-base balance and its disorders
5. Plasma proteins, enzymes.
6. Nucleic acid metabolism and its disorders
7. Synthesis and degradation of purines and pyrimidines.
8. Rescue reactions. Diseases of nucleotide metabolism
9. The role and function of lipids in the body , lipid metabolism and its disorders.
10. The role and function of carbohydrates in the body , carbohydrate metabolism and its disorders
11. Coordination of interstitial metabolism: absorption, fasting and fatigue.
12 Regulatory molecules: hormones as extracellular messengers
13. Neurotransmitters, growth factors, cytokines

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	*Workload/semester*
Lectures	39
Study	48
Exams	3
Total	90

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Writtenexam, consistingof multiplechoice questionnairescombinedwithshort-answerquestionsshort-answerquestions open-endedquestions

5. SUGGESTED BIBLIOGRAPHY

1. LofflerG.Βασικές Αρχές Βιοχημείας με Στοιχεία Παθοβιοχημείας BROKENHILLPUBLISHERSLTD, 2007

2. Βιοχημεία Βασικές Αρχές (J. Tymoczco, J. Berg, L. Stryer) 1η Εκδ/2018, Εκδόσεις BROKENHILLPUBLISHERS.
3. : Harper's Εικονογραφημένη βιολογική χημεία, HarperH., R. K. Murray, D.A.
4. Bender, K.M. Botham, Επιμέλεια: Α.Γ. Παπαβασιλείου. Εκδόσεις BROKEN HILL PUBLISHERS LTD, 1η έκδοση/2011.

MODULES 2ND SEMESTER

COURSE OUTLINE BASIC SKILLS IN NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**BNA201**	**SEMESTER**	**SPRING**
COURSE TITLE	BASIC SKILLS IN NURSING		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	7
LABORATORY PRACTICE	4	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes
Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- Become familiar with the basic principles of nursing care to provide effective and quality nursing care at the individual, family and community level
- treat patients with pathological and surgical health problems.
- use basic nursing skills and apply them effectively to contribute to the restoration of patients' health.

General Skills
Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*

Working in an international environment *Working in an interdisciplinary environment* *Production of new research ideas*	*Critical thinking* *Promoting free, creative and inductive reasoning*

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

THEORY

1.Physical environment of the patient-nursing ward
2.Admission of the patient to the hospital - ward organisation - equipment
3.Basic nursing care-patient hygiene; equipment.
4.Cleaning bath
5.Infections-infection control-basic principles of asepsis-contamination-disinfection-hospital infections
6.Basic preoperative and postoperative patient care
7.Nursing process of the surgical patient
8.Surgical trauma - basic principles - wound healing
9.Bedsores - prevention and treatment
10.Pain management-relief and supportive means
11.The child in hospital - basic principles
12.Administration of medicines from all routes - medicine card
13.Parenteral administration of drugs. Intramuscular injection; Intramuscular injection; Subcutaneous injection; Intradermal injection

LAB

1.Getting to know the structure of a hospital ward (equipment). Laying of a simple bed
2.Laying a bed with a patient
3.Laying a surgical bed
4.Pre-operative and post-operative nursing care
5. Surgical instruments, preparation of sterile instrument packet,
6 Sterile gloves and handling of sterile items
7.Preventing, caring for,
8.Surgical wound care,
9.Administration of rectal preparations
10.Personal hygiene, cleanliness bath, care of the oral cavity of a catheterized patient
11. Administration of drugs parenterally
12.Intestinal drug administration
13.Abbreviations of instructions, filling in the medication card

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation,*	

Activity	*Workload/semester*
Lectures	39
Laboratory practice	52
Study	116
Exams	3

project. Etc. *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*		
	Total	210
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions Oral examination on the material of the laboratory exercises (100%)	

5. SUGGESTED BIBLIOGRAPHY

1. Κλινικές Νοσηλευτικές Δεξιότητες και Νοσηλευτική Διεργασία, Lynn P. ΕΚΔΟΣΕΙΣ : BROKEN HILL PUBLISHERS LTD
2. Εισαγωγή στη Νοσηλευτική Επιστήμη και τη Φροντίδα Υγείας 2η έκδοση, Πολυσυγγραφικό ΕΚΔΟΣΕΙΣ : BROKEN HILL PUBLISHERS LTD
3. Εισαγωγή στην επιστήμη της νοσηλευτικής.Μ. Κελέση, Γ. Φασόη, Δ.Παπαγεωργίου ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
4. Αρχές και κλινικές δεξιότητες στη νοσηλευτική. Γ. Φασόη, Μ,Κελέση, Δ.Παπαγεωργίου ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ

COURSE OUTLINE BIOSTATISTICS

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**BNA202**	**SEMESTER**	**SPRING**
COURSE TITLE	BIOSTATISTICS		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	3	4
	LABORATORY PRACTICE	1	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- Understand the basic concepts of statistical science,
- calculate and interpret descriptive measures of central tendency and dispersion.
- Investigate the relationship between variables using correlation techniques.
- predict the values of a variable using regression analysis
- compare two or more percentages or means (for dependent and independent samples) and justify the results according to the level of significance,
- understand and correctly interpret statistical significance.
- know the conditions required for the application of the statistical methods chosen to be used, understand the need to check these conditions and be able to choose alternative statistical methods,
- be aware of the error inherent in the conclusions drawn from the statistical analysis carried out,
- be able to calculate the normal values of a parameter and be able to evaluate the reliability of laboratory methods on the basis of sensitivity and specificity,
- be able to estimate the risk of developing a condition in persons exposed to a potential risk factor in relation to persons not exposed to that factor,

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Descriptive statistics. Variable, types of variables, statistical tables, graphical methods, numerical descriptive measures of central tendency (prevalence, median, mean) and variability (range, dispersion, standard deviation), measures of asymmetry and convexity, coefficient of variation, Gaussian distribution, transformations, normal values, evaluation of laboratory findings (sensitivity, specificity, positive and negative predictive value),
2.ROC curve (Receiver Operator Curve).
3. Parameter estimation. Modes of parameter estimation, point estimate, confidence interval, standard error, estimation of (i) mean, variance and a percentage in a population and (ii) difference of mean and percentage and ratio of variance in two populations.
4. Hypothesis testing. The concept of statistical testing, null and alternative hypothesis, type I and II error, power of a test, p-value of a test, the concept of statistical significance, hypothesis testing (i) for mean, variance and percentage in a population and (ii) for the difference of means and percentages and the ratio of variances in two populations, pairwise observations.
5. Analysis of variance. Analysis of variance for independent samples, analysis of variance table, multiple comparisons.
6. Analysis of qualitative data. Correlation tables, $\chi 2$ test as a criterion of correlation and goodness of fit of qualitative characteristics,
7. Simple logistic regression model, relative risk (RR), odds ratio (OR). Statistical correlation and dependence.
8. Pearson's correlation coefficient r, least squares method, prediction, simple linear regression model, coefficient of determination.

9. Non-parametric tests. Advantages and disadvantages of non-parametric tests,
10. Kolmogorov-Smirnov test for a sample, Wilcoxon signed rank, Mann-Whitney U, Kruskal-Wallis tests, Spearman's correlation coefficient p.
11. Survival analysis. General, censored data, survival tables, survival function,
12. Risk function, survival curves, Kaplan-Meier method,
13. Comparisons between survival curves, simple Cox regression model

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions Oral examination on the material of the laboratory exercises (100%)

Activity	*Workload/semester*
Lectures	39
Laboratory practice	13
Study	65
Exams	3
Total	120

5. SUGGESTED BIBLIOGRAPHY

1. Δ. Τριχόπουλος, Α. Τζώνου, Κ. Κατσουγιάννη, Βιοστατιστική, Εκδόσεις Παρισιάνου Α.Ε., 2002.
2. M. Pagano, K. Gauvreau (Μετάφραση - Επιμέλεια: Ουρανία Δαφνή), Αρχές Βιοστατιστικής, Εκδόσεις ΕΛΛΗΝ, 2002.
3. Αρβανιτίδου-Βαγιωνά Μαλαματένια, Χάιδιτς Άννα-Μπεττίνα, Ιατρική στατιστική. Βασικές αρχές. Εκδόσεις University Studio Press A.E., 2013.
4. Δημόπουλος, Π., Βιομετρία Βιοστατιστική, Εκδόσεις Σταμούλη Α.Ε., 2004. Σταυρινός, Β., Παναγιωτάκος, Δ., Βιοστατιστική, Εκδόσεις: Gutenberg, 2007.
5. Bowers, D., Θεμελιώδεις έννοιες στη Βιοστατιστική, Ιατρικές Εκδόσεις Π. Χ. Πασχαλίδης, 2011.

COURSE OUTLINE BASIC PHARMACOLOGY

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**BNA203**	**SEMESTER**	**SPRING**

COURSE TITLE	BASIC PHARMACOLOGY		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	3	3
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- Know, understand and use medical terminology relating to the administration of pharmaceutical substances and preparations appropriately.
- Know, understand the basic principles of pharmacokinetics, pharmacodynamics and drug interactions.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Adapting to new situations
- Decision making
- Autonomous work
- Teamwork
- Project planning and management
- Respect for diversity and multiculturalism
- Demonstrating social, professional and ethical responsibility and gender sensitivity
- Working in an interdisciplinary environment

3. COURSE CONTENT

1. Introduction to Pharmacology - Basic Principles of Pharmacology
2. Drug administration - Drug development
3. Clinical Trials
4. Absorption/Distribution/Metabolism/Drug excretion
5. Pharmacodynamics I
6. Pharmacodynamics II
7. Drug Interactions
8. Adrenergic Agents/Antagonists
9. Anxiolytics - Antiepileptics -
10. Antidepressants-Antipsychotics

11. Antibiotics
12. Opioids. Dependence
13. Individualised pharmacotherapy

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Writtenexam, consistingof multiplechoice questionnairescombinedwithshort-answerquestionsshort-answerquestions open-endedquestions

Activity	*Workload/semester*
Lectures	39
Study	48
Exams	3
Total	90

5. SUGGESTED BIBLIOGRAPHY

1. Φαρμακολογία: Συγγραφέας H.P. Rang, Dale, J.M. Ritter, P.K. Moore,
2. Βασική και Κλινική Φαρμακολογία - Τόμος 1: Συγγραφέας Bertram G. Katzung. 3. Goodman & Gilman's – Η φαρμακολογική βάση της Θεραπευτικής
3. ΦΑΡΜΑΚΟΛΟΓΙΑ ΓΙΑ ΤΗ ΝΟΣΗΛΕΥΤΙΚΗ ΚΑΙ ΤΙΣ ΕΠΙΣΤΗΜΕΣ ΥΓΕΙΑΣ M.ADAMS, N. HOLLAND, S.CHANG ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ ΕΤΕΡΟΡΡΥΘΜΗ ΕΤΑΙΡΕΙΑ

COURSE OUTLINEINTERNAL MEDICINE

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**BNA204**	**SEMESTER**	**SPRING**
COURSE TITLE	INTERNAL MEDICINE		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole*	**TEACHING HOURS PER**	**ECTS CREDITS**

course, then please indicate the teaching hours per week and the corresponding ECTS Credits.	**WEEK**	
THEORY	3	4
LABORATORY PRACTICE	1	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- Describe and evaluate the diagnostic process, differential diagnosis and diagnostic and diagnostic diagnosis and diagnostic and therapeutic approach in an individualised manner,
- evaluate and document subjective and objective data concerning the diagnosis and planning of care of the pathological patient,
- judge clinical decision making in the provision of health care and be able to propose a patient and disease-oriented plan of care

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Clinical evaluation of the patient. Disease, Symptom, Physical sign, Diagnosis, Diagnostic approach. Dyspnea, Coma, Fever, Fever, Pain. Patient history.
2. Digestive System: Main symptoms and signs, Paraclinical examinations. Diseases Oesophagus. Peptic ulcer - gastritis. Gastrointestinal bleeding. Jaundice. Viral hepatitis. Biliary diseases. Diseases of the pancreas. Liver failure. Cirrhosis Ascites collection. Gastroenteritis. Inflammatory bowel diseases. Malabsorption syndrome. Diarrhea. Constipation. Neoplasms of the digestive tract.
3. Respiratory System(1): elements of physiology. Functional control. Paraclinical Examination. Chest X-ray.
109
4. Respiratory system(2). Bronchiectasis.

Bronchitis. COPD, emphysema, bronchial asthma. Pulmonary embolism. Pleural effusion, Pneumothorax. Upper and lower respiratory infections.
5. Endocrine System: Structure and action of hormones. Function and action of hormones Pituitary function and function of the pituitary gland. Diabetes mellitus. Diseases of the thyroid gland and the thyroid glands
parathyroid. Disorders of the reproductive system. Diseases of the
Adrenal gland diseases.
6. Immune System: Elements of physiology. Physiology,
Allergic reactions. Systemic lupus erythematosus. Rheumatoid Arthritis and
other arthropathies. Vasculitis. Rheumatic fever.
7. Infectious diseases: Staphylococcal and streptococcal infections, Pneumonias, Tuberculosis, Endocarditis. Viral Infections, Zoonoses, HIV infection and sexually transmitted diseases, Parasitic infections. Hospital-acquired infections. Infections immunocompromised persons. Prevention.
8. Nervous System: Vascular stroke, Epileptic disorders, Seizure disorders, Stroke. Parkinson's disease and other movement disorders. Nervous System: CNS semiotics. Infections Central Nervous System. Multiple Sclerosis and other CNS disorders.
demyelinating diseases, Neuromuscular diseases, Coma, Headache, Vertigo.
9. Circulatory system(1): Clinical examination and paraclinical tests. Main symptoms and signs. Congenital heart disease. Valvular diseases. Endocarditis, Pericarditis. Myocarditis. Arrhythmias. Coronary syndromes. Myocardial infarction. Arterial Hypertension. Heart failure.
10. Circulatory System(2):Electrocardiogram.
11. Hematopoietic System: Hematopoietic organs. Blood cells. Red cell disorders. Red blood cell line. White cell disorders Thrombocyte disorders. Coagulation disorders. Lymphadenopathy-Splenomegaly. Marrow transplantation.
12. Urinary System: Main symptoms and signs. Urinary tract infections, glomerulonephritis. Urination disorders. Nephrolithiasis. Acute and chronic renal failure. Extrenal dialysis.
13. Acid-base imbalance.

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	*Workload/semester*
Lectures	39
Laboratory practice	66
Study	3
Exams	12
Total	120

Report,Clinical examination of a patient,Artistic interpretation, Other/Others *Please indicate all relevant information about the course assessment and how students are informed*	

5. SUGGESTED BIBLIOGRAPHY

1. Runge M., Greganti M.A. Netter Παθολογία 1ηέκδοση. Broken Hill Publishers LTD, 2011.
2. Classen Meinhard, Diehl Volker, Koch Karl–Martin. Διαφορική Διαγνωστική στην Εσωτερική Παθολογία. Broken Hill Publishers LTD, 2004.
3. Bickley Lynn S., Szilagyi Peter G. Bates' Οδηγός για την κλινική εξέταση και τη λήψη ιστορικού. 1ηέκδοση. Broken Hill Publishers LTD, 2006.
4. Haist S., Robbins J. ΕσωτερικήΠαθολογία "On Call". Broken Hill Publishers LTD, 2009.
5. ΔΕΠΤομέαΠαθολογίαςΠανεπιστημίουΑθηνών. Εσωτερική Παθολογία 2η έκδοση. Broken Hill Publishers LTD, 2010.

COURSE OUTLINE MICROBIOLOGY

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**BNA205**	**SEMESTER**	**SPRING**
COURSE TITLE	MICROBIOLOGY		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	3	5
	LABORATORY PRACTICE	2	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

2. LEARNING OUTCOMES

Learning Outcomes *Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.*
Upon successful completion of the course, participants will be able to : - identify the basic biological characteristics and properties of pathogenic microorganisms that contribute to the pathogenesis of infectious diseases - understand micro-organism-host interactions - is aware of the factors influencing the causation and manifestation of disease

- has an understanding of the principles of laboratory diagnosis of infections
- is familiar with isolation, culture and detection methodologies,
- identification/standardisation
- has been in contact with the interpretation and evaluation of laboratory findings

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. History of microbiology
2. Anatomical structure of the microbial body
3. Multiplication of schizomycetes - Criteria useful for typing schizomycetes
4. Physiology of microbes
5. Genetics of microbes
6. Factors affecting microorganisms
7. Chemotherapeutic
8. Antimicrobial drugs
9. Criteria useful for the standardisation of schizomycetes
10. Techniques for culturing clinical specimens. Methods of susceptibility of bacteria to antibiotics
11. Clinical specimen (methods of collection and transport)
12. Serological, molecular diagnostic methods of infections. Pathogenic microorganisms, modes of transmission
13. Clinical microbiology

Clinical Exercise

Includes familiarization of students with the functioning of the microbiology laboratory and observation of the microbiological testing procedure

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents

TEACHING ORGANIZATION

The ways and methods of teaching are described in detail.
Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.

The supervised and unsupervised workload per activity is indicated here, so that total workload

Activity	*Workload/semester*
Lectures	39
Study	82
Exams	3
Clinical practice	26
Total	150

per semester complies to ECTS standards.	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

5. SUGGESTED BIBLIOGRAPHY

1.Patrick R. Murray, Ken S. Rosenthal, Michael A. Pfaller, Ιατρική Μικροβιολογία, Παρισιάνος ΑΕ, Έκδοση 8η, 2016 (κωδικός στον Εύδοξο: 59395399)

2.Tortora Gerard, Funke Berdell, Case Christine, Εισαγωγή στη Μικροβιολογία, Broken Hill Publishers Ltd, 2017 (Κωδικός Βιβλίου στον Εύδοξο: 68373275)

3.Παπαναγιώτου Ι., Κυριαζοπούλου - Δαλαΐνα Β., Ιατρική Μικροβιολογία και Ιολογία, UniversityStudioPress ΑΕ, Έκδοση 2η, 2004 (κωδικός στον Εύδοξο: 17328)

COURSE OUTLINE COMMUNITY NURSING/HEALTH PROMOTION

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**BNA206**	**SEMESTER**	**SPRING**
COURSE TITLE	COMMUNITY NURSING/HEALTH PROMOTION		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	7
LABORATORY PRACTICE	4	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes *Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.*

Upon successful completion of the course, participants will be able to :
- Become familiar with the role of the community nurse and their activities in the community and gain knowledge that will contribute to the maintenance and promotion of health from pregnancy to old age.
- Assess, anticipate and contribute to the management of Public Health problems in the community where they work and assess and record the epidemiological profile of the community population, taking into account the environment and living conditions.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Introduction, definitions (health, community) - Theoretical framework for the development of nursing care in the community of population groups with health problems
2 Roles and responsibilities of community nurses in the care of the chronically ill
3. Prevention-Levels of prevention (primary, secondary and tertiary prevention)
4. Health promotion-Health education-programmes
5. Raising awareness of health education among individuals and population groups
6. Needs assessment of social groups in the community (nursing care of children and adolescents, elderly, other vulnerable populations)
7. Violence in the community (child - elderly abuse)
8. Immunisation - Vaccinations - Prevention and control of communicable diseases
9. Home care
10. Family Nursing
11. Methodology of Health Education in special population groups
12. Palliative Care in the Community
13. Seniors with health problems in the community

CLINICAL EXERCISE
Visits to primary health care services, health centres, community and municipal clinics and other structures providing health care services in the community

Translated with DeepL.com (free version)

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face	
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents	
TEACHING ORGANIZATION *The ways and methods of teaching are*	***Activity***	***Workload/semester***

described in detail. *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	Lectures 39 Study 116 Exams 3 Clinical practice 52 Total 210
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

5. SUGGESTED BIBLIOGRAPHY

1. Κοινοτική Νοσηλευτική-Εισαγωγή στη φροντίδα υγείας στην κοινότητα, RectorCherie ΕΚΔΟΣΕΙΣ:BROKENHILLPUBLISHERSLTD
2. Κοινοτική Νοσηλευτική/ Νοσηλευτική Δημόσιας Υγείας, MaryA. Nies, MelanieMcEwen ΕΚΔΟΣΕΙΣ ΜΟΝΟΠΡΟΣΩΠΗ Ι.Κ.Ε.
3. ΚΟΙΝΟΤΙΚΗ ΝΟΣΗΛΕΥΤΙΚΗ ΚΑΙ ΝΟΣΗΛΕΥΤΙΚΗ ΔΗΜΟΣΙΑΣ ΥΓΕΙΑΣ R. F. DeMarco, J. Healey-Walsh ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ ΕΤΕΡΟΡΡΥΘΜΗ ΕΤΑΙΡΕΙΑ

MODULES 3RD SEMESTER

COURSE OUTLINE EPIDEMIOLOGY/PUBLIC HEALTH

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΓΝΑ301**	**SEMESTER**	**WINTER**
COURSE TITLE	EPIDEMIOLOGY/PUBLIC HEALTH		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	4
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK

COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- know the basic principles of epidemiology
- understand reports/documents from organisations such as the KEELPNO, etc. with content related to epidemiological reports
- write an epidemiological report at a basic level
- apply scientific principles, methods and knowledge access and use relevant medical literature
- understand the historical role of vaccination in the control of infectious epidemics

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. History of the main infectious disease epidemics
2. Concepts and definitions of health - Holistic view of health, the concept of wellness - Socio-economic approach and investments for health
3. Newly emerging infectious diseases
4. The importance of vaccination; the role of the anti-vaccine movement
5. Epidemiology of viral infectious diseases
6. Epidemiology of bacterial infectious diseases
7. Epidemiology of parasitic diseases
8. Influence of social factors on health
9. Strategies to reduce health inequalities.
10. Health promotion and the media.
11. Health in Greece, Europe and at Global level
12. Health Education Methodology.
13. Educational process in Health Education - Principles of communication in Health Education.

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents

TEACHING ORGANIZATION

The ways and methods of teaching are described in detail.

Activity	*Workload/semester*
Lectures	39
Study	78

Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc. *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	Exams: 3 Total: 120
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions Oral examination on the material of the laboratory exercises (100%)

5. SUGGESTED BIBLIOGRAPHY

1.GREENBERG Ιατρική Επιδημιολογία. Εκδόσεις Παρισιάνου, Έκδοση 4η, 2011

2. Δ. ΤΡΙΧΟΠΟΥΛΟΣ, Π.Δ. ΛΑΓΙΟΥ Γενική και Κλινική Επιδημιολογία. Εκδόσεις Παρισιάνου, Έκδοση 2η, 2011

3.ΕΠΙΔΗΜΙΟΛΟΓΙΑ.ΠΟΛΥΧΡΟΝΗΣ ΚΩΣΤΟΥΛΑΣ.ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ ΕΤΕΡΟΡΡΥΘΜΗ ΕΤΑΙΡΕΙΑ

COURSE OUTLINE SURGERY

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΓΝΑ302**	**SEMESTER**	**WINTER**
COURSE TITLE	SURGERY		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	3	4
	LABORATORY PRACTICE	1	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		

COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- Recognise the semiotics of surgical conditions of specific organs, their surgical management and the provision of appropriate nursing care.
- recognise surgical conditions and how the healthcare professional approaches the sufferer for diagnosis and nursing care.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Preoperative preparation and patient assessment; aggravating factors and comorbidities.
2. Elements of anaesthesiology
3. Postoperative patient care - general postoperative complications -prevention and management.
4. Surgical diseases: types of surgical interventions ,breast diseases - stomach diseases - 12finger diseases
5. Venous thrombosis - pulmonary embolism - thromboprophylaxis
6. Shock - types - treatment
7. Colon and rectal diseases
8. Diseases of the pancreas - biliary tract
9. Acute abdomen - acute appendicitis - peritonitis - ileus
10. Cardiac surgery
11. Burns
12. Chest injuries
13. Diabetic ulcers, epidemiology, pathophysiology, prevention and care measures for diabetic foot and diabetic ulcer

Clinical Exercise
Monitoring of surgical clinics of Alexandroupolis Hospital

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are*	

Activity	*Workload/semester*
Lectures	39

described in detail. *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	Study: 65 Exams: 3 Clinical practice: 13 Total: 120
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

5. SUGGESTED BIBLIOGRAPHY

1. Cameron John L "Σύγχρονη Χειρουργική Θεραπευτική/CAMERON JOHN L.. Εκδόσεις Ιατρικές Εκδόσεις Π. Χ. Πασχαλίδης, Αθήνα 2010
2. Gerard M. Doherty Current Σύγχρονη Χειρουργική Διάγνωση και Θεραπεία 3η έκδοση. Εκδόσεις BROKEN HILL PUBLISHERS , Αθήνα 2017
3. Σκαλκέας ΓΡ.Δ Η ΕΞΕΤΑΣΗ ΤΟΥ ΧΕΙΡΟΥΡΓΙΚΟΥ ΑΣΘΕΝΟΥΣ". ΕκδόσειςΕκδόσεις BROKEN HILL PUBLISHERS , Αθήνα 1991
4. Zollinger Rorbert Milton."ΑΤΛΑΣΧΕΙΡΟΥΡΓΙΚΩΝΕΠΕΜΒΑΣΕΩΝ". Εκδόσεις BROKEN HILL PUBLISHERS , Αθήνα 2002

COURSE OUTLINEINTERNAL MEDICINE NURSING I

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	ΓΝΑ303	**SEMESTER**	**WINTER**
COURSE TITLE	INTERNAL MEDICINE NURSING I		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	8
LABORATORY PRACTICE	3	
CLINICAL PRACTICE	3	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-

TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/modules/auth/opencourses.php?fc=248

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- apply the nursing process by utilizing information sources from the patient and his/her environment while being able to
- implement interventions to be able to provide nursing care to patients hospitalised in pathology departments.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Taking nursing history in a pathological patient-Nursing process: clinical manifestations, interventions, nursing diagnoses & interventions, assessment of nursing care outcomes.
2. Fluid and electrolyte balance disorders
3. Hematopoietic disorders I
4. Haematopoietic disorders II
5. Urinary system disorders I
6. Urinary tract disorders II
7. Endocrine gland disorders
8. Disorders of the musculoskeletal system
9. Neurological Diseases
10. Blood transfusion
11. Respiratory disorders
12. Rheumatological diseases
13. Genital disorders

LAB

1. Electrocardiogram
2. Parenteral administration of drugs
3. Drug reconstitution
4. Dose calculation of drugs, aspiration from vial,
5. Blood collection
6. Transfusion of blood and blood derivatives
7. Administration of intravenous solutions (types, peculiarities, flow calculation),
8. Venipuncture,

9.	Connection of intravenous solution
10.	Oxygen therapy (types of oxygen administration devices)
11.	Parenteral feeding
12.	Principles of administration of chemotherapeutic drugs
13.	Bladder catheterisation

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions Lab- Clinical Practice Oral exams in clinical practices (100%)

Activity	*Workload/semester*
Lectures	39
Laboratory practice	39
Study	120
Exams	3
Clinical Practice	39
Total	240

5. SUGGESTED BIBLIOGRAPHY

1. Παθολογική Χειρουργική Νοσηλευτική 1ος τόμος, Osborn K.S., Wraa C.E., Watson A ΕΚΔΟΣΕΙΣ:BROKEN HILL PUBLISHERS LTD
2. Timby's ΠΑΘΟΛΟΓΙΚΗ - ΧΕΙΡΟΥΡΓΙΚΗ ΝΟΣΗΛΕΥΤΙΚΗ, L,Moreno, B.,Moseley ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
3. Παθολογική Χειρουργική Νοσηλευτική τόμος 1, IgnataviciusD.D., RebarC.R., WorkmanM.L., HeimgartnerN.M .ΕΚΔΟΣΕΙΣ:BROKENHILLPUBLISHERSLTD

COURSE OUTLINE SURGICAL NURSING I

1. GENERAL

SCHOOL	HEALTH SCIENCES
DEPARTMENT	NURSING
LEVEL OF STUDIES	LEVEL 6

COURSE CODE	ΓΝΑ304	**SEMESTER**	**WINTER**
COURSE TITLE	SURGICAL NURSING I		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	8
LABORATORY PRACTICE	3	
CLINICAL PRACTICE	3	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- apply the nursing process by utilizing information sources from the patient and his/her environment while being able to
- implement interventions to be able to provide nursing care to patients hospitalised in surgical departments.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Introduction to surgical nursing: phases of perioperative nursing, classification of surgical procedures, postoperative complications.
2. Surgical infections
3. Surgical wounds-Nursing care
4. Nutritional support of patients before and after surgery
5. Bowel surgery
6. Sensory organ surgery
7. Upper digestive tract surgery

8. Burns
9. Water-electrolyte disorders
10. Applied perioperative nursing care in bowel surgery
11. Applied perioperative nursing care in breast surgery
12. Applied perioperative nursing care in sensory organ surgery
13. Ethical issues in surgical nursing

LAB

1. Patient preparation for surgery
2. Nasogastric tube placement
3. Patient feeding (parenteral)
4. Patient feeding (enteral)
5. Gastric lavage
6. Decisions
7. Orthopedic care: plaster, bandages
8. Tracheostomy care
9. Thoracic drainage
10. Stomachs
11. Gynaecological surgical care
12. Wound care
13. Placement of catheters in critically ill patients for the purpose of monitoring

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	*Workload/semester*
Lectures	39
Laboratory practice	39
Study	120
Exams	3
Clinical Practice	39
Total	240

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions Lab- Clinical Practice Oral exams in clinical practices (100%)

5. SUGGESTED BIBLIOGRAPHY

1. Παθολογική Χειρουργική Νοσηλευτική 1ος τόμος, Osborn K.S., Wraa C.E., Watson A ΕΚΔΟΣΕΙΣ:BROKEN HILL PUBLISHERS LTD
2. Timby's ΠΑΘΟΛΟΓΙΚΗ - ΧΕΙΡΟΥΡΓΙΚΗ ΝΟΣΗΛΕΥΤΙΚΗ, L,Moreno, B.,Moseley ΕΚΔΟΣΕΙΣ

ΚΩΝΣΤΑΝΤΑΡΑΣ 3. Παθολογική Χειρουργική Νοσηλευτική τόμος 1, IgnataviciusD.D., RebarC.R., WorkmanM.L., HeimgartnerN.M .ΕΚΔΟΣΕΙΣ:BROKENHILLPUBLISHERSLTD

COURSE OUTLINEHEALTH INFORMATICS

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΓΝΑ305**	**SEMESTER**	**WINTER**
COURSE TITLE	HEALTH INFORMATICS		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	3	4
	LABORATORY	1	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- Have basic computer skills, and be able to use word processing, spreadsheet and presentation programs.
- Design and create databases.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues

- Working in an interdisciplinary environment *- Autonomous work*

3. COURSE CONTENT

1.	Informatics in health sciences.
2.	Description of computer hardware and software.
3.	Operating systems.
4.	Basic principles of programming languages.
5.	Basic principles of programming languages,
6.	Creating presentations, creating and managing medical databases.
7.	Artificial intelligence in medicine, neural networks, genetic algorithms.
8.	Electronic - Nursing Patient Record
9.	Patient Data Privacy Security Issues
10.	Data Management with Spreadsheets
11.	Modern Nursing Information Systems and Hospital Systems
12.	Exercises in Office Application Programs.
13.	Finding Health Information via the Internet.

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Examination on the computer 90%, presentation of work in the auditorium 10%

Activity	***Workload/semester***
Lectures	39
Study	13
Exams	35
Lab	3
Total	120

5. SUGGESTED BIBLIOGRAPHY

1. Γκλαβά Μ., 7 σε 1 Windows 8 - Office 2013: ΒΗΜΑ ΠΡΟΣ ΒΗΜΑ, Έκδοση: 1/2014, (Κωδικός βιβλίου στον Εύδοξο: 41957392) Evans A., Martin K., Poatsy M.A.,
2. Εισαγωγή στην Πληροφορική, 2η έκδ., Εκδ. Κριτική ΑΕ, 2018 (Κωδικός βιβλίου στον Εύδοξο: 77109607)
3. Η Συμβολή της Πληροφορικής στην Υγεία Δημήτρης Γ. Καπόπουλος. ΔΙΑΥΛΟΣ Α.Ε. ΕΚΔΟΣΕΙΣ ΒΙΒΛΙΩΝ

OPTIONAL MODULES 3RD SEMESTER

COURSE OUTLINEFOREIGN LANGUAGE TERMINOLOGY (ENGLISH)

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΓΝΑ306-1**	**SEMESTER**	**WINTER**
COURSE TITLE	FOREIGN LANGUAGE TERMINOLOGY (ENGLISH)		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- Recognise the features of formulation and composition of English scientific language and specialisation,
- Understand the literature in health sciences written in English,
- attend and give an oral presentation on health sciences and health sciences topics and his/her speciality, participating in subsequent discussion and/or composing a concise or extended written text with linguistic fluency using the required scientific terminology of the health sciences subject matter.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

The course includes the teaching of advanced nursing and medical terminology combined with discussion of health issues, nursing & medical topics and authentic dialogues

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	*Workload/semester*
Lectures	26
Study	31
Exams	3
Total	60

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

5. SUGGESTED BIBLIOGRAPHY

1. 1. Αγγλική Ιατρική Ορολογία για επιστήμες υγείας, Πανουτσόπουλος Γ. ΕΚΔΟΣΕΙΣ ΔΙΣΙΓΜΑ ΙΚΕ
2. 2. Αγγλική Ορολογία στις Βιοϊατρικές Επιστήμες, Allan David, Lockyer Karen ΕΚΔΟΣΕΙΣ BROKEN HILL PUBLISHERS LTD
3. 4. Εξειδικευμένη Αγγλική Ορολογία Επιστημών Υγείας, Shiland Betsy J. ΕΚΔΟΣΕΙΣ BROKEN HILL PUBLISHERS LTD
4. 5. Medical Language- Αγγλική Ορολογία για τις επιστήμες υγείας Turley, S, ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ

COURSE OUTLINEHEALTH ECONOMICS

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΓΝΑ306-2**	**SEMESTER**	**WINTER**
COURSE TITLE	HEALTH ECONOMICS		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**

course, then please indicate the teaching hours per week and the corresponding ECTS Credits.		
THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- identify and describe the processes of macroeconomic evaluation of health systems or services
- describe the mechanisms of health services market and health services financial management that are in place or need to be implemented to make efficient use of resources
- be able to refer to key financial management concepts related to insurance, supply chain, pricing and related systems
- have the analytical tools needed to identify the types and key objectives of microeconomic evaluation methods for health programmes and services (cost-benefit-effectiveness-utility)
- be able to refer to key indicators for the evaluation and quality of health services, as well as other specific issues.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Concepts and Objects of Health Economics
2. Basic Financial Problems in the Modern World
3. Description and content , Causes and measurement based on indicators- Hierarchy of problems and suggestions.
4.Basic financial problems: expenditure, public-private, composition, allocation, market, demand, supply, objectives (efficiency-efficiency)
5.Methods of financial evaluation in health care
6. citizen - health - health service user (demand)
7. Health Service Producers (Supply), Health Service Market (shape, characteristics, function, etc.)
8. Insurance and Financing
9.Organisation of Health Services Finance

10 Forms and Schemes of Financial Management ➢ Basic Forms of Financial Organization ➢ Control (concepts, types, internal-external, procedures)

Basic approaches to budgets and accounts with their monitoring mechanisms ➢ Procurement, inventories, invoicing, etc.

11.Accounting systems ➢ Departmental and patient costing (DRGs)

12. Labour Market and Human Resource Planning and in Greece.

13. Economic Evaluation of Preventive Programs, Treatments, Drugs, Health Services etc. using various methods (cost-benefit-effectiveness-quality).

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	***Workload/semester***
Lectures	26
Study	31
Exams	3
Total	60

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

5. SUGGESTED BIBLIOGRAPHY

1. Υφαντόπουλος Γιάννης, 2006, Τα Οικονομικά της Υγείας, Τυπωθήτω (ΔΑΡΔΑΝΟΣ),
2. Πολύζος Νίκος, 2007, ΧΡΗΜΑΤΟΟΙΚΟΝΟΜΙΚΗ ΔΙΟΙΚΗΣΗ ΜΟΝΑΔΩΝ ΥΓΕΙΑΣ, Διόνικος, με
3. Drummond Michael F., Brien Bernie J., Stoddart Greg L., Torrance George, σε μετάφραση, Μέθοδοι οικονομικής αξιολόγησης των προγραμμάτων υγείας
4. Morris St., Devlin N., Parkin D., Spencer A., 2017, σε μετάφραση, Η Οικονομική Ανάλυση στη Φροντίδα Υγείας, εκδόσεις Πασχαλίδη.

COURSE OUTLINE COMMUNICATION IN HEALTH CARE

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ANA106**	**SEMESTER**	**WINTER**

COURSE TITLE	COMMUNICATION IN HEALTH CARE	
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge	
PREREQUISITES:	-	
TEACHING & EXAMINATION LANGUAGE:	GREEK	
COURSE OFFERED TO ERASMUS STUDENTS:	No	
COURSE URL:	https://eclass.duth.gr/courses/NURS105/	

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- make students aware of the nature of the therapeutic relationship and the importance of effective communication between patients and health professionals,
- acquire the necessary knowledge and skills that will contribute to effective outreach and support in general for patients and their families in the different phases of illness.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Adapting to new situations
- Decision making
- Autonomous work
- Teamwork
- Project planning and management
- Respect for diversity and multiculturalism
- Demonstrating social, professional and ethical responsibility and gender sensitivity
- Working in an interdisciplinary environment

3. COURSE CONTENT

1. Basic principles in communication-definitions
2. Forms-models of communication
3. History taking-the importance of effective communication-communication in the nursingprocess
4. Interview techniques
5. Active listening skills for effective communication
6. Communicating unpleasant news
7. Communicating with diversity patient groups
8. Communication of patients with intercultural differences
9. Communication in illness and health disorders

10.	Communication with special groups of inpatients
11.	Management of patients with "difficult" emotions
12.	Communication within the multidisciplinary team
13.	Consolidation of the therapeutic relationship

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Writtenexam, consistingof multiplechoice questionnairescombinedwithshort-answerquestionsshort-answerquestions open-endedquestions

Activity	*Workload/semester*
Lectures	26
Study	31
Exams	3
Total	60

5. SUGGESTED BIBLIOGRAPHY

1. Αποτελεσματική επικοινωνία για τους λειτουργούς υγείας, Elsevier ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
2. Κλινικές επικοινωνιακές δεξιότητες για επαγγελματίες υγείας ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
3. Το ψηφιδωτό της Επικοινωνίας-Εισαγωγή στο πεδίο της επικοινωνίας, WoodJuliaT. ΕΚΔΟΣΕΙΣ: BROKENHILLPUBLISHERSLTD
4. Η Τέχνη της Επικοινωνίας στο Χώρο της Υγείας, PiaseckiMelissa, Μπελλάλη Θάλεια. ΕΚΔΟΣΕΙΣ:ΠΑΠΑΣΩΤΗΡΙΟΥ & ΣΙΑ Ι.Κ.Ε

MODULES 4TH SEMESTER

COURSE OUTLINEINTERNAL MEDICINE NURSING II

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	ΔΝΑ401	**SEMESTER**	**SPRING**
COURSE TITLE	INTERNAL MEDICINE NURSING I		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	9
LABORATORY PRACTICE	3	
CLINICAL PRACTICE	3	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes *Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.*
Upon successful completion of the course, participants will be able to : - apply the nursing process by utilizing information sources from the patient and his/her environment while being able to - implement interventions to be able to provide nursing care to patients hospitalised in pathology departments.
General Skills *Name the desirable general skills upon successful completion of the module*
Search, analysis and synthesis of data and information, Project design and management

ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and sensitivity to gender issues*
Teamwork	*Critical thinking*
Working in an international environment	*Promoting free, creative and inductive reasoning*
Working in an interdisciplinary environment	
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Taking nursing history in a pathological patient-Nursing process: clinical manifestations, interventions, nursing diagnoses & interventions, assessment of nursing care outcomes.
2. Fluid and electrolyte balance disorders
3. Digestive system disorders
4. Stool disorders
5. Disorders -Disorders of the gallbladder and pancreas
6. Liver diseases
7. Respiratory system disorders
8. Disorders of the cardiovascular system
9. Disorders of the haematopoietic system
10. Diabetes mellitus
11. Endocrine Diseases
12. Immunological Diseases
13. Diseases of the head, neck and sensory organs

LABORATORY - CLINICAL PRACTICE
Includes clinical and laboratory exercises of students in pathology clinics or clinics of the Pathology Department of Alexandroupolis Hospital.

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions Lab- Clinical Practice Oral exams in clinical practices (100%)

Activity	*Workload/semester*
Lectures	39
Laboratory practice	39
Study	150
Exams	3
Clinical Practice	39
Total	270

Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others *Please indicate all relevant information about the course assessment and how students are informed*	

5. SUGGESTED BIBLIOGRAPHY

1. Παθολογική Χειρουργική Νοσηλευτική 2ος τόμος, Osborn K.S., Wraa C.E., Watson A ΕΚΔΟΣΕΙΣ:BROKEN HILL PUBLISHERS LTD
2. Timby's ΠΑΘΟΛΟΓΙΚΗ - ΧΕΙΡΟΥΡΓΙΚΗ ΝΟΣΗΛΕΥΤΙΚΗ, L,Moreno, B.,Moseley ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
3. Παθολογική Χειρουργική Νοσηλευτική τόμος 2, IgnataviciusD.D., RebarC.R., WorkmanM.L., HeimgartnerN.M .ΕΚΔΟΣΕΙΣ:BROKENHILLPUBLISHERSLTD

COURSE OUTLINE SURGICAL NURSING II

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	ΔΝΑ402	**SEMESTER**	**SPRING**
COURSE TITLE	SURGICAL NURSING II		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	3	9
	LABORATORY PRACTICE	3	
	CLINICAL PRACTICE	3	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

2. LEARNING OUTCOMES

Learning Outcomes *Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.*
Upon successful completion of the course, participants will be able to : - apply the nursing process by utilizing information sources from the patient and his/her environment while being able to

- implement interventions to be able to provide nursing care to patients hospitalised in surgical departments.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Preoperative Nursing Diagnoses related to the type of surgery and Nursing
2. interventions per nursing diagnosis
3. Urinary tract surgery
4. Musculoskeletal surgery
5. Surgical interventions for cardiac surgery patients
6. Neurosurgical surgical operations
7. Organ transplants
8. Gynaecological surgery
9. Obstetrical surgery
10. Paediatric surgical patient
11. Plan for home care and rehabilitation after surgery
12. Most common complications and complication prevention by type of surgery
13. Post-operative nursing diagnoses by type of surgery and nursing interventions by nursing diagnosis

LABORATORY-CLINICAL PRACTICE

Includes clinical and laboratory exercises of students in surgical clinics or clinics of the Surgical Department of Alexandroupolis Hospital

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process*	Written exam, consisting of multiple choice

Activity	*Workload/semester*
Lectures	39
Laboratory practice	39
Study	150
Exams	3
Clinical Practice	39
Total	270

Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others *Please indicate all relevant information about the course assessment and how students are informed*	questionnaires combined with short-answer questions short-answer questionsopen-ended questions Lab- Clinical Practice Oral exams in clinical practices (100%)

5. SUGGESTED BIBLIOGRAPHY

1. Παθολογική Χειρουργική Νοσηλευτική 2ος τόμος, Osborn K.S., Wraa C.E., Watson A ΕΚΔΟΣΕΙΣ:BROKEN HILL PUBLISHERS LTD
2. Timby's ΠΑΘΟΛΟΓΙΚΗ - ΧΕΙΡΟΥΡΓΙΚΗ ΝΟΣΗΛΕΥΤΙΚΗ, L,Moreno, B.,Moseley ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
3. Παθολογική Χειρουργική Νοσηλευτική τόμος 2, IgnataviciusD.D., RebarC.R., WorkmanM.L., HeimgartnerN.M .ΕΚΔΟΣΕΙΣ:BROKENHILLPUBLISHERSLTD

COURSE NURSING DIAGNOSTICS AND SEMIOLOGY

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΔΝΑ403**	**SEMESTER**	**SPRING**
COURSE TITLE	DIAGNOSTICS AND SEMIOLOGY		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	4
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes *Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.*
Upon successful completion of the course, participants will be able to : - Apply ways of gathering information from the patient and family, combined with the help of the physical examination, diagnostic tests and clinical findings discovered.
General Skills *Name the desirable general skills upon successful completion of the module*

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Ways of taking and writing nursing history
2. Assessment of vital signs
3. Physical examination by system (skin, head, eyes, nose, ears)
4. Physical examination by system (oral cavity and pharynx, cervix, thyroid)
5. Physical examination by system (chest and lungs, heart)
6. Physical examination by system (musculoskeletal system)
7. Physical examination by system (male genital organs and hernias, female genital organs)
8. Physical examination by system (nervous system and mental state)
9. Physical examination by system (peripheral vascular system)
10. physical examination of special categories of patients: pregnant women, children, adolescents, senior citizens and acute cases
11. Formulation of routine nursing diagnoses
12. Population counselling and health education in the context of diagnostic nursing
13. Nursing diagnostics/semiotics as a guide to developing a nursing care plan

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic*	Written exam,consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	*Workload/semester*
Lectures	39
Study	78
Exams	3
Total	120

interpretation, Other/Others *Please indicate all relevant information about the course assessment and how students are informed*	

5. SUGGESTED BIBLIOGRAPHY

1. BATES' Νοσηλευτικός Οδηγός για την κλινική εξέταση και τη λήψη ιστορικού Hogan,, Palm, Bickley. ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
2. Οδηγός Ανάπτυξης Σχεδίου Νοσηλευτικής Φροντίδας 2η έκδοση, Doenges Merilynn E.,Moorhouse Mary Frances,Murr Alice C. BROKEN HILL PUBLISHERS LTD
3 . Bate's Οδηγός για την Κλινική Εξέταση και τη Λήψη Ιστορικού 13η αγγλική/ 6η ελληνική έκδοση, Bickley L.S., Szilagyl P.G., Hoffman R.M., Soriano R.P BROKEN HILL PUBLISHERS LTD

COURSE NURSING NURSING REHABILITATION OF PEOPLE WITH CHRONIC HEALTH PROBLEMS

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΔΝΑ404**	**SEMESTER**	**SPRING**
COURSE TITLE	NURSING REHABILITATION OF PEOPLE WITH CHRONIC HEALTH PROBLEMS		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	3
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes *Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.*
Upon successful completion of the course, participants will be able to : - apply theoretical knowledge to the assessment of the needs of patients with chronic health problems - identify the key conditions (symptom-signs) that affect quality of life and enhance holistic care that promotes quality of life for the chronically ill - apply critical thinking and clinical decision-making skills in the provision of patient-oriented health care for the chronically ill patient, incorporating ethical and moral principles
General Skills

Name the desirable general skills upon successful completion of the module	
Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	
- Effective communication in a nursing environment *- Searching, analysing and applying data and information in a nursing environment* *- Applying scientific principles, methods and knowledge to nursing practice and research* *- In general, promoting free, creative and inductive thinking* *- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues* *- Working in an interdisciplinary environment* *- Autonomous work*	

3. COURSE CONTENT

1. Introduction - definitions (chronic disease, disability, rehabilitation)
2. Basic principles of rehabilitation, nursing process
3. Quality of life of the chronically ill
4. The role of the nurse in the rehabilitation team and in the context of interdisciplinary cooperation
5. Communication with the chronically ill patient and his/her supportive environment
6. Psychological and social problems of disabled patients and nursing management of fear, anger and frustration.
7. Counselling of the chronically ill patient
8. 7. Counselling of the family of the chronically ill patient
9. Assessment and management of pain in chronically ill patients
10. Nutritional counselling of patients with chronic health problems, and special groups of patients
11. Rehabilitation team, home health care,
12. Family- caregiver of a patient with chronic disease
13. Emergency management of chronically ill patients.

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written*	Written exam,consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	***Workload/semester***
Lectures	39
Study	48
Exams	3
Total	90

Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others *Please indicate all relevant information about the course assessment and how students are informed*	

5. SUGGESTED BIBLIOGRAPHY

1. Lubkin's Χρόνιανοσήματα, Pamala Larsen , ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
2. Προαγωγή της Πρακτικής στη Νοσηλευτική Αποκατάσταση, Jester Rebecca. BROKEN HILL PUBLISHERS LTD
3. ΓΕΡΟΝΤΟΛΟΓΙΚΗ ΝΟΣΗΛΕΥΤΙΚΗ. CHARLOTTE ELIOPOULOS ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ

COURSE NURSING ETHICS AND DEONTOLOGY IN NURSING SCIENCE

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΔΝΑ405**	**SEMESTER**	**SPRING**
COURSE TITLE	ETHICS AND DEONTOLOGY IN NURSING SCIENCE		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	3
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to become familiar with :
- An introduction to the basic concepts of bioethics.
- The approach to the relationship between bioethics and nursing.
- The evaluation of codes of nursing ethics.
- The concepts of ethical dilemmas that arise in the practice of nursing and to develop critical mechanisms for resolving or addressing them.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*

Adaptation to new situations *Decision making* *Autonomous work* *Teamwork* *Working in an international environment* *Working in an interdisciplinary environment* *Production of new research ideas*	*Respect for the natural environment* *Sustainability* *Demonstration of social, professional and moral responsibility and sensitivity to gender issues* *Critical thinking* *Promoting free, creative and inductive reasoning*
- Effective communication in a nursing environment *- Searching, analysing and applying data and information in a nursing environment* *- Applying scientific principles, methods and knowledge to nursing practice and research* *- In general, promoting free, creative and inductive thinking* *- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues* *- Working in an interdisciplinary environment* *- Autonomous work*	

3. COURSE CONTENT

1. General concepts of morality, ethics, justice.
2. Basic principles of bioethics - Ethics and nursing.
3. Philosophical-ethical theories in the field of nursing.
4. Decision making in nursing practice.
5. The code of nursing ethics - ethical codes internationally
6. Nurse involvement in research-clinical trials.
7. Ethics and law.
8. Disciplinary liability- Civil liability- Criminal liability.
9. Disciplinary, civil and criminal nursing liability in the public and private sectors.
10. Dilemmas from modern developments in genetics, transplantation, euthanasia
11. Procedures for the resolution of ethical dilemmas
12. Nursing confidentiality
13. Professional nursing responsibility. Professional representation

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam,consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	*Workload/semester*
Lectures	39
Study	48
Exams	3
Total	90

5. SUGGESTED BIBLIOGRAPHY

1. Βασική Βιοηθική-Δεοντολογία-Νομοθεσία για Επαγγελματίες Υγείας, Ηγουμενίδης Μιχαήλ. BROKEN HILL PUBLISHERS LTD
2. Ζητήματα ηθικής στη νοσηλευτική πρακτική, Fry Sara,Johnstone Megan-Jane BROKEN HILL PUBLISHERS LTD
3. Κλινικές Νοσηλευτικές Δεξιότητες και Νοσηλευτική Διεργασία, LynnP. BROKENHILLPUBLISHERSLTD
4. Βασική Νοσηλευτική και Κλινικές Δεξιότητες, PerryG.A. BROKENHILLPUBLISHERSLTD

OPTIONAL MODULES 4TH SEMESTER

COURSE OUTLINEPROFESSIONAL DEVELOPMENT IN NURSING

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΔΝΑ406-1**	**SEMESTER**	**SPRING**
COURSE TITLE	PROFESSIONAL DEVELOPMENT IN NURSING		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

1. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- gain a better understanding of the factors that can contribute to employee well-being and organisational effectiveness
- develop critical thinking about the work environment and the difficulties that arise.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment

- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

2. COURSE CONTENT

1. Introduction; basic principles of behaviour; functioning of organisations;
2. Organisational culture and the concept of organisational change
3. Understanding the work environment and adapting the employee to it
4. Work motivation and employee performance - motivation
5. Job satisfaction and organisational commitment
6. Burnout-Bullying-Harassment
7. Conflict-conflict resolution-collaboration
8. Emotional intelligence in the workplace-Soft skills
9. Health and safety in the workplace
10. Principles of Entrepreneurship in Nursing
11. Relationships and communication in the work environment
12. Working in an interdisciplinary environment

13. secondary traumatic stress and burnout of health professionals - The role of the counsellor - Interface in supporting staff. Supervision and support.

3. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	*Workload/semester*
Lectures	26
Study	31
Exams	3
Total	60

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

4. SUGGESTED BIBLIOGRAPHY

1. Ψυχολογία της Εργασίας και Οργανωσιακή Συμπεριφορά. Arnold John, Randall Ray. ΕΚΔΟΣΕΙΣ: BROKEN HILL PUBLISHERS LTD

2. Ψυχολογία Υγείας στο Χώρο Εργασίας Α (Ψυχολογία της υγείας και ψυχοσωματική ιατρική) Αντωνίου ΕΚΔΟΣΕΙΣ: BROKEN HILL PUBLISHERS LTD
3. Οργανωσιακή Ψυχολογία και Συμπεριφορά 2η Έκδοση Μ.,Βακόλα, Ι. Νικολάου. ROSILI ΕΜΠΟΡΙΚΗ - ΕΚΔΟΤΙΚΗ Μ.ΕΠΕ

COURSE OUTLINEPULMONOLOGY

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΔΝΑ406-2**	**SEMESTER**	**SPRING**
COURSE TITLE	PULMONOLOGY		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

1. LEARNING OUTCOMES

Learning Outcomes
Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- know about the anatomy and physiology of the respiratory system
- acquire skills and abilities for the early recognition, clinical assessment and elementary treatment in clinical practice of chronic and acute respiratory problems

General Skills
Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

2. COURSE CONTENT

1. Elements of the Anatomy-Physiology of the Respiratory System - Pulmonary function tests
2. Diagnostic techniques in Pulmonology
3. Approach to normal and pathological radiography and CT of the chest
4. Diagnostic approach to coughing, hemoptysis
5. Diagnostic approach to chest pain, dyspnea
6. Respiratory tract infections (Community-acquired pneumonia - Inpatient - Tuberculosis of the lung).
7. Bronchial Asthma-Chronic Obstructive Pulmonary Disease
8. Acute and chronic respiratory failure - Sleep Apnoea Syndrome
9. Pulmonary embolism - Diseases of the pulmonary circulation vessels
10. Lung tumours - Mesothelioma - Smoking cessation
11. Interstitial lung diseases
12. Occupational lung diseases
13. Pleural effusion - Pneumothorax

3. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	*Workload/semester*
Lectures	26
Study	31
Exams	3
Total	60

4. SUGGESTED BIBLIOGRAPHY

1. Κλινική Πνευμονολογία 2η έκδοση
Κωδικός Βιβλίου στον Εύδοξο: 86053316
Έκδοση: 2/2019, Συγγραφείς: Spiro Stephen, Silvestri Gerard, Agusti Alvar
BROKEN HILL PUBLISHERS LTD
2. Harrison's Πνευμονολογία και εντατική θεραπεία
Κωδικός Βιβλίου στον Εύδοξο: 12510320
Έκδοση: 1η/2011 Συγγραφείς: J. LOSCALZO. ΠΑΡΙΣΙΑΝΟΥ ΜΟΝΟΠΡΟΣΩΠΗ ΑΝΩΝΥΜΗ ΕΚΔΟΤΙΚΗ ΕΙΣΑΓΩΓΙΚΗ ΕΜΠΟΡΙΚΗ ΕΤΑΙΡΕΙΑ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΒΙΒΛΙΩΝ
3. ΚΛΙΝΙΚΗ ΠΝΕΥΜΟΝΟΛΟΓΙΑ. ΜΕΛΗ ΔΕΠ-ΕΣΥ ΚΑΙ ΣΥΝΕΡΓΑΤΕΣ. ΣΤΥΛΙΑΝΟΣ ΛΟΥΚΙΔΗΣ

COURSE OUTLINEHEALTH POLITICS

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΔΝΑ406-3**	**SEMESTER**	**SPRING**
COURSE TITLE	HEALTH POLITICS		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- Know basic concepts as regards health policies.
- Understand the link between social protection, poverty and individual rights and health policies.
- Compare health policies at global, European and national level.
- Criticise the national health system in relation to issues of poverty and social exclusion.
- Reflect on the topics covered in the course.
- To assimilate concepts analysed in the lectures and case studies examined through the study of the textbooks and relevant literature.
- To write papers related to Health Policy and Social State

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1.Basic concepts and content of health policy and service management
health policy and health management and their relationship and/or continuity.
2. International situation in health policy, with emphasis on the strategy of the European
EU policy, as it is translated respectively into health systems, a sample of which are
reviewed, in terms of governance, financing, organisation and
organisation and administration, quality and technology.
3. Public health and the new challenges in it, through globalisation, which are
influencing the determinants and level of health, culminating in the latter
pandemic.
4. Conceptual framework of the reforms and how this was applied to the services
health services, but also in those related to welfare or social care.
5. Financing of health systems and services, with international and Greek
review of sources and methods of financing, showing the proportionality of the funding of health
care systems and services, including the use of the health care system and health care services.
increase in expenditure and their rationalisation.
6. Strategic planning, both in general and in health systems, and its relation to
health policy, as the first principle-function and administration, the indicative review
of the similar situation internationally.
7. The conclusion on operational planning in our country, with emphasis on the hospitals of
NHS, for making more rational decisions.
8. The organization, as the second principle-function of administration, generally and internationally, in
and especially the respective health care providers, outpatient and inpatient
hospital services.
9. The Greek case will be analysed accordingly, in order to draw conclusions and
In order to draw conclusions and recommendations.
10. The coordination of human resources, as the third principle-function of management, in general
in the principles of human resource management, with emphasis on leadership and health.
11. The inventory of the health human resources in our country both in supply and
and demand, with appropriate recommendations accordingly.
12. The evaluation, as the fourth principle-function of management, with its associated control, and
quality, as applied or to be applied in health care and in
in our country.
13. Medicine, with the international situation in supply and demand, and the corresponding
policies and its inventories, made in our country, especially in the last decade,
due to the electronic prescription of outpatient drugs, but also due to the
the evaluation of the corresponding inpatient, in relation to eHealth, which
electronic medicine, which also entered our lives mainly in the last decade, to help both in
to serve the citizen, as well as to evaluate health policies and
effectiveness of health service administration, with the examples mentioned
(tools), as well as suggestions for the future

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation,*	

Activity	*Workload/semester*
Lectures	26
Study	31
Exams	3

project. Etc. *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	<table><tr><td></td><td></td></tr><tr><td>Total</td><td>60</td></tr></table>
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam,consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

5. SUGGESTED BIBLIOGRAPHY

1. Πολύζος Νικόλαος, 2024, Πολιτική και Διοίκηση στην Υγεία, Κριτική, ISBN 978-960-586-480-4 & προσεχώς ΚΩΔ. ΒΙΒΛΙΟΥ ΣΤΟΝ ΕΥΔΟΞΟ. Πολιτική
2. Καστανιώτη Κατερίνα, 2018, ΠΟΛΙΤΙΚΗ ΥΓΕΙΑΣ, ΑΠΟ ΤΗ ΔΙΕΘΝΗ ΕΜΠΕΙΡΙΑ ΣΤΗΝ ΕΛΛΗΝΙΚΗ ΠΡΑΓΜΑΤΙΚΟΤΗΤΑ", με ΚΩΔ. ΒΙΒΛΙΟΥ ΣΤΟΝ ΕΥΔΟΞΟ: 77120067.
3. Χαράλαμπος Οικονόμου, 2012, ΠΟΛΙΤΙΚΕΣ ΥΓΕΙΑΣ ΣΤΗΝ ΕΛΛΑΔΑ ΚΑΙ ΤΙΣ ΕΥΡΩΠΑΪΚΕΣ ΚΟΙΝΩΝΙΕΣ, με ΚΩΔ. ΒΙΒΛΙΟΥ ΣΤΟΝ ΕΥΔΟΞΟ: 122079575.

MODULES 5TH SEMESTER

COURSE OUTLINE PEDIATRICS

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ENA501**	**SEMESTER**	**WINTER**
COURSE TITLE	PEDIATRICS		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	6
CLINICAL EXERCISE	3	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK

COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/modules/auth/opencourses.php?fc=248

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- Take a good and comprehensive history.
- Acquire the theoretical knowledge of the normal newborn, be able to differentiate normal from abnormal in the susceptible neonatal period and be able to refer to a specialist centre.
- Know and apply the knowledge for a proper monitoring concerning the physical and psychomotor development of the child from birth.
- know and apply all those preventive measures for the good health of the child.
- acquire the knowledge for a basic good differential diagnosis.
- understand and advise if the child needs urgent help by referring the child to a specialised centre.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Adapting to new situations
- Decision making
- Autonomous work
- Teamwork
- Project planning and management
- Respect for diversity and multiculturalism
- Demonstrating social, professional and ethical responsibility and gender sensitivity
- Working in an interdisciplinary environment

3. COURSE CONTENT

1. Obtaining a paediatric history
2. Neonatology: Clinical examination of a newborn. Problems of premature newborn. Neonatal jaundice. Congenital infections. Respiratory problems. Congenital heart disease.
3. Clinical examination of infant, toddler, school and adolescent children.
4. Assessment of physical development, national weight-height-head circumference growth curves, body mass index.
5. Nutrition.
6. Age-based assessment of children's psychomotor development.
7. Assessment of vital signs.
8. Vaccinations, checking the child's health booklet.
9. Medicines in paediatric practice.
10. Respiratory system diseases.
11. Diseases of the cardiovascular system.
12. Diseases of the digestive system.
13. Diseases of the urogenital system

Clinical exercise
Monitoring the operation of the paediatric departments of the Alexandroupolis Hospital

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION &	Use of ICT technology for teaching and communication

COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	*Workload/semester*
Lectures	39
Study	102
Exams	3
Clinical exercise	39
Total	180

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	THEORY Written examination covering the entire course material with developmental, short answer questions (100%) CLINICAL EXERCISE Oral examination on the clinical skills taught at the end of the semester (100%)

5. SUGGESTED BIBLIOGRAPHY

1. Lissauer Tom, Clayden Graham, ΣύγχρονηΠαιδιατρική, Έκδοση 4η, 2016, Brken Hill Publishers Ltd. (ΚωδικόςΒιβλίουστονΕύδοξο: 50662970)
2. Gunn Veronica L., Nechyba Christian, Harriet Lane ΕγχειρίδιοΠαιδιατρικής, Διάγνωση, Θεραπεία, Επείγοντα, Έκδοση 1η, 2005, Brken Hill Publishers Ltd. (ΚωδικόςΒιβλίουστονΕύδοξο: 13256896)
3. Gomella's ΝΕΟΓΝΟΛΟΓΙΑ. TRICIA GOMELLA. ΕΚΔΟΣΕΙΣΚΩΝΣΤΑΝΤΑΡΑΣΕΤΕΡΟΡΡΥΘΜΗΕΤΑΙΡΕΙΑ

COURSE OUTLINE PEDIATRICS NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	ENA502	**SEMESTER**	**SPRING**
COURSE TITLE	PEDIATRICS NURSING		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	8
LABORATORY PRACTICE	2	
CLINICAL PRACTICE	3	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area-Skill Development

PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- Identify and describe the child's health problems,
- recognise the normal physical, mental and social development of the child
- describe the pathological conditions from neonatal age to adolescence

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

THEORY

1. The child in the hospital. Peculiarities of nursing care.
2. Physiological growth and development of the child. Communication with the family.
3. Neonatology - care of premature newborn.
4. Nursing approach to the main health problems of childhood (by respiratory system).
5. Nursing approach to the main health problems of childhood (by cardiovascular system)
6. Nursing approach to the main health problems of childhood (by musculoskeletal system)
7. Nutrition and medication
8. The child with chronic illness (asthma, juvenile,)
9. The child with chronic illness (diabetes, Ca, CKD)
10. Emergency pediatric nursing care
11. The rights of the child. Bioethics in paediatric nursing
12. Pregnancy, childbirth, childbirth, postpartum, breastfeeding
13. Nursing care of the newborn

CLINICAL PRACTICE (LABORATORY)

The clinical and laboratory training includes the students' practice in pediatric clinics of the Alexandroupolis Hospital and laboratory exercises in the laboratories of the school.

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory*	Use of ICT technology for teaching and communication with thestudents

Education, in Communication with students	
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions Lab- Clinical Practice Oral exams in clinical practices (100%)

Activity	*Workload/semester*
Lectures	39
Laboratory practice	26
Study	133
Exams	3
Clinical Practice	39
Total	240

5. SUGGESTED BIBLIOGRAPHY

1. Παιδιατρική Νοσηλευτική-Θεμελιώδεις Αρχές της Φροντίδας Υγείας του Παιδιού, McKinney Slone Emily, James Rowen Susan, Murray Smith Sharon, Nelson Ann Kristine, Ashwill Weiler Jean. BROKEN HILL PUBLISHERS LTD
2. Παιδιατρική νοσηλευτική, Luxner Karla L. BROKEN HILL PUBLISHERS LTD
3. Παιδιατρική νοσηλευτική - Βασικές αρχές στη φροντίδα παιδιών. Μάτζιου - Μεγαπάνου Βασιλική. ΛΑΓΟΣ ΔΗΜΗΤΡΙΟΣ ΕΚΔΟΣΕΙΣ ΜΟΝΟΠΡΟΣΩΠΗ Ι.Κ.Ε.

COURSE OUTLINENURSING METHODOLOGY

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ENA503**	**SEMESTER**	**WINTER**
COURSE TITLE	NURSING METHODOLOGY		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	6
LABORATORY	3	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-

TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/NURS122/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- identify and formulate research questions and hypotheses,
- plan, organise and implement a study on their own and/or in a group, and critically examine scientific work
- develop an evidence-based research protocol as a basis for any research methodology project in nursing science
- be able to demonstrate analytical and synthesis skills in the preparation of a scientific written paper and presentation skills in a small group of students using visual aids

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Adapting to new situations
- Decision making
- Autonomous work
- Teamwork
- Project planning and management
- Respect for diversity and multiculturalism
- Demonstrating social, professional and ethical responsibility and gender sensitivity
- Working in an interdisciplinary environment

3. COURSE CONTENT

THEORY

1. Introduction to Research - Ethical Issues in Nursing Research - Ethics
2. Bibliographic - systematic review
3. Quantitative Research - Design
4. Qualitative Research - design
5. Data Collection Methods - Data Analysis (Descriptive Statistics, Inductive Statistics)
6. Presentation and Discussion of the Research Findings
7. Construction of questionnaire
8. Critical evaluation of scientific article
9. Writing a scientific article of literature review
10. Writing a scientific article of a primary research study
11. Writing an interesting case study article
12. Systematic literature search through electronic databases
13. How to write the literature using the Harvard method and the Vancouver method

LAB

Supporting the learning process through the use of SPSS and the use of database searching

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face

USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents

TEACHING ORGANIZATION

The ways and methods of teaching are described in detail.
Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.

The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.

Activity	*Workload/semester*
Lectures	39
Study	99
Exams	3
Clinical exercise	39
Total	180

STUDENT EVALUATION

Description of the evaluation process

Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others

Please indicate all relevant information about the course assessment and how students are informed

THEORY

Written examination covering the entire course material with developmental, short answer questions (100%)

CLINICAL EXERCISE

Oral examination on the clinical skills taught at the end of the semester (100%)

5. SUGGESTED BIBLIOGRAPHY

1. Η έρευνα στις επιστήμες υγείας. J. HouserΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
2. Εκπαιδευτική Έρευνα-Βασικές Αρχές, GallM.BROKENHILLPUBLISHERSLTD
3. Μεθοδολογία της έρευνας στις επιστήμες υγείας, Γαλάνης Πέτρος ΕΚΔΟΣΕΙΣ ΚΡΙΤΙΚΗ ΑΕ

COURSE OUTLINE ONCOLOGY NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ENA504**	**SEMESTER**	**WINTER**
COURSE TITLE	ONCOLOGY NURSING		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	6
LABORATORY	1	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific*	Scientific Area

Area, Skill Development	
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/modules/auth/opencourses.php?fc=248

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- Use the acquired knowledge in the care of patients with oncological diseases
- Develop skills for the assessment and care of patients with oncological diseases

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Adapting to new situations
- Decision making
- Autonomous work
- Teamwork
- Project planning and management
- Respect for diversity and multiculturalism
- Demonstrating social, professional and ethical responsibility and gender sensitivity
- Working in an interdisciplinary environment

3. COURSE CONTENT

1. Principles of oncology and oncology nursing
2. Diagnosis of cancer
3. Hormone therapy
4. Radiotherapy
5. Chemotherapy
6. Nursing care in lung cancer
7. Nursing care in breast cancer
8. Nursing care in prostate-testicular cancer
9. Palliative care of oncological patients
10. Psychological problems of oncological patients
11. Cancer pain
12. Chemotherapy in a day care unit
13. Emergency issues in oncology

LAB
Includes laboratory training of students in oncology and haematology clinics of Alexandroupolis Hospital

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION &	Use of ICT technology for teaching and communication

COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	***Activity*** — ***Workload/semester*** Lectures — 39 Study — 125 Exams — 3 Laboratory — 13 Total — 180
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	THEORY Written examination covering the entire course material with developmental, short answer questions (100%) LABORATORY Oral examination on the clinical skills taught at the end of the semester (100%)

5. SUGGESTED BIBLIOGRAPHY

1. Βασικές Αρχές Ογκολογικής Νοσηλευτικής και Ανακουφιστικής Φροντίδας-Από τη θεωρητική προσέγγιση στην κλινική φροντίδα, Γκοβίνα Ουρανία, Κωνσταντινίδης Θεοχάρη ΕΚΔΟΣΕΙΣ: BROKEN HILL PUBLISHERS LTD

2. Κλινική ογκολογία. Αρχές ογκολογικής νοσηλευτικής φροντίδας, Τσούσκας Λάζαρος UNIVERSITY STUDIO PRESS - ΑΝΩΝΥΜΟΣ ΕΤΑΙΡΙΑ ΓΡΑΦΙΚΩΝ ΤΕΧΝΩΝ ΚΑΙ ΕΚΔΟΣΕΩΝ

3. ΟΓΚΟΛΟΓΙΚΗ ΝΟΣΗΛΕΥΤΙΚΗ, 2η Έκδοση. Λαβδανίτη Μ., ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ ΕΤΕΡΟΡΡΥΘΜΗ ΕΤΑΙΡΕΙΑ

OPTIONAL MODULES 5TH SEMESTER

COURSE OUTLINEPERIOPERATIVE NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ENA505-1**	**SEMESTER**	**WINTER**
COURSE TITLE	PERIOPERATIVE NURSING		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- meet the increased needs of the operating room, anaesthesia and central sterilization areas
- assess information about the patient's health status by prioritizing his/her problems and become familiar with the principles and planning of individualized preoperative, intraoperative and postoperative monitoring and care,
- become familiar with the principles of the organisation of the operating theatre and understand the use of equipment and materials in the operating theatre and anaesthetic department

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Basic principles of perioperative nursing care
2. Administrative and clinical set-up of the operating room
3. Stages of perioperative nursing care
4. Surgical infections and the hospital environment
5. Surgical wound care
6. Hazards of working in the operating room
7. Anaesthesia in obstetrics and gynaecology
8. Perioperative care of children
9. Development of organisational and administrative skills in the operating theatre
10. care of special groups of patients: patients with severe or multisystemic disease,
11. Patients with highly communicable diseases, immunosuppressed patients
12. Interpersonal relationships and communication in the operating room
13. Professional, legal and ethical practices in the operating room

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY	Use of ICT technology for teaching and communication with thestudents

(ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	*Workload/semester*
Lectures	26
Study	31
Exams	3
Total	60

5. SUGGESTED BIBLIOGRAPHY

1. ΠεριεγχειρητικήΝοσηλευτική, Sutherland-Fraser S., Davies M., Gillespie B.M., Lockwood B. BROKEN HILL PUBLISHERS LTD
2. ΠεριεγχειρητικήΝοσηλευτική, Shields L., Werder H. BROKEN HILL PUBLISHERS LTD
3. Περιεγχειρητική Νοσηλευτική Φροντίδα στη Μαιευτική και στη Γυναικολογία Νίκη Περιβολάρη Αντωνοπούλου ΛΑΓΟΣ ΔΗΜΗΤΡΙΟΣ ΕΚΔΟΣΕΙΣ ΜΟΝΟΠΡΟΣΩΠΗ Ι.Κ.Ε.

COURSE OUTLINECARDIOLOGY NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ENA505-2**	**SEMESTER**	**WINTER**
COURSE TITLE	CARDIOLOGY NURSING		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-

TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- identify the risk factors for the development of heart disease and understand the importance of its prevention
- recognise the signs and symptoms of heart disease
- apply correct techniques for the assessment of the cardiovascular system
- apply the basic principles of nursing care for any cardiac condition (acute or chronic) and be able to make an informed choice of the most appropriate rehabilitation treatment
- be familiar with the most common diseases of the heart, diagnostic tests, drugs and new techniques in interventional cardiology
- recognise normal and abnormal electrocardiograms and evaluate them
- develop education programmes for patients with heart disease

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Anatomy and physiology of the cardiovascular system.
2. Hemodynamic monitoring Diagnostic approach to heart disease. The role of the nurse
3. Nursing care of patients with arterial hypertension
4. Nursing care of patients with coronary artery disease (Chronic coronary artery disease, Acute coronary syndromes)
5. Nursing care of patients with arrhythmias and conduction disorders
6. Nursing care of patients with heart infections
7. Nursing care of patients with valvular diseases - cardiomyopathies
8. Nursing care of patients with aortic and peripheral artery diseases (aortic aneurysm, peripheral arterial disease, arteritis)
9. Study of heart failure: types and pathophysiology, compensatory mechanisms; nursing care
10. Cardiogenic cataplexy - nursing interventions
11. Arterial Hypertension and nursing management (prevention-intervention-recovery)
12. The role of the nurse in the administration of cardiac medications
13. Sudden Death - Cardiopulmonary Resuscitation

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face

USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	***Workload/semester***
Lectures	26
Study	31
Exams	3
Total	60

5. SUGGESTED BIBLIOGRAPHY

1. Νόσοι της Καρδιάς και νοσηλευτική φροντίδα, Ολιστική Προσέγγιση, Μπροκαλάκη-Πανανουδάκη Ηρώ. ΕΚΔΟΣΕΙΣ ΜΟΝΟΠΡΟΣΩΠΗ Ι.Κ.Ε.
2. Εγχειρίδιο Καρδιολογικής Νοσηλευτικής. Ακύρου Δήμητρα Β ΠΑΡΙΣΙΑΝΟΣ ΒΑΣΙΛΕΙΟΣ
3. ΜΑΥΟCLINICΚΑΡΔΙΟΛΟΓΙΑMurphy - Anavekar - Lloyd - Mankad - Boilson – Shields. ΓΚΟΤΣΗΣ ΚΩΝ/ΝΟΣ & ΣΙΑ Ε.Ε.

COURSE OUTLINE GENETICS

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ENA505-3**	**SEMESTER**	**WINTER**
COURSE TITLE	GENETICS		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge

PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- know the basic concepts of Classical, Clinical and Molecular Genetics
- have a more extensive knowledge of the function, importance and value of modern classical and bio-genetic technologies in the field of medicine.
- identify and successfully use key electronic resources to support and solve genetics problems in medical practice.
- identify and successfully use methods and tools to search for medical scientific information on the Internet.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Classical Genetics: History - Mendel's experiments and laws - The rule and the exceptions - Many genes influence a character - Gene interaction - Genotype - Phenotype - Probabilities - Unlinked and linked genes - Incidence - Penetrance - Expressivity - From drosophila to man - From classical to medical genetics - Non-mental inheritance
2. Mutations: Automatic mutations - Mutagens - Mutations and genes - Hemoglobin genes as a model of mutation - Mutation and carcinogenesis - Oncogenes
3. Human gene map: Chromosomal and gene mapping methods - Linkage analysis - Physical and genetic mapping - Human gene maps
4. Patterns of single-gene inheritance and Tribal differentiation: Autosomal dominant and recessive inheritance - Some evolutionary stages - Systems of phylogeny - Phylogenetic differentiation - D/es of phylogenetic differentiation - Phylogenetic chromosome genes - Phylogenetic inheritance - Phylogenetically regulated characters
5. Chromosomes and inheritance - Cytogenetics: Mitosis and reduction - Identification, mapping and medical applications from chromosome analysis - Cytogenetics and Mendel's laws - Numerical, structural and chromosomal atypes - Some clinical genetic syndromes - Neoplasms and chromosomal atypes - Cancer genetics - Oncogenes - Transposable elements
6. Genes and the individual - Genes and populations: The biological personality - Genetic substrate - Heterozygosity - Dermatoglyphic pattern - Pharmacogenetics - Phylogenetics - Family genetics - Eugenics - Population balance and variability - Human races - Gene frequency - Genetic polymorphism - Blood groups - Tissue compatibility and its antigens - Polymorphism and diseases

7. Environment and behaviour - Dysgenesis: Characters influenced by environment -Environment and behaviour -Engineering and mental retardation - Behavioural atypicalities - Emotional psychoses - Behaviour and organic lesions -Dysgenesis - The dangerous life of the foetus - Factors of dysgenesis - Phenocopies - Developmental delay - Polygenic malformations
8. Biochemical Genetics: Genetic code - Fine gene structure - Congenital metabolic diseases - From phenotype to disease - Catalytic proteins - Genetic diseases and hormones - Other functional proteins
9. Molecular Genetics: From fungi to enzymes - From microbes to gene organization - Genetics of viruses and bacteria - Plasmids and genetic engineering DNA of eukaryotes - DNA as a library - Recombinant DNA - Genetic engineering - Gene regulation - Genes and antibodies - Monoclonal antibodies - - Structural and functional genomics - Proteomics
10. Multifactorial disorders: Continuous diversity - Multifactorial marginal characters - Complex disorders in adults
11. Developmental genetics - Evolutionary genetics: evidence and theories - Evolutionary theories - An overview of the past - The 'book' of evolution - Natural selection: a multidimensional concept -
12. From molecules to man - The first organisms - Eidogenesis - The evolution of man - Review and perspective.
13. Genetic technology and ethics

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	*Workload/semester*
Lectures	26
Study	31
Exams	3
Total	60

5. SUGGESTED BIBLIOGRAPHY

1. «Ιατρική Γενετική – Βασικές έννοιες» των connor&Ferguson-Smith, σε μετάφραση από ΑΑ Κώτση, Univ. StudioPress, Θεσσαλονίκη 2011
2. «Εισαγωγή στη σύγχρονη Γενετική», β΄έκδοση, Σ. Αλαχιώτη, Πάτρα, 1989
3. «Κλασική και μοριακή γενετική», Κ. Τριανταφυλλίδη, Εκδ. Κυριακίδη, Θεσσαλονίκη, 1992

4. «Γενική Βιολογία – τόμος ΙΙΙ» Α. Γρανίτσα, εκδ. Παρατηρητής, Θεσσαλονίκη, 1984 5. «Βασικές αρχές κυτταρικής βιολογίας», σε μετάφραση, των Alberts και συν., εκδ. Πασχαλίδη, Αθήνα, 2010
6. «Human Molecular Genetics", των Strachan & Read, Bios Sc. Publ., NY, NY
7. «Genomes», του TA Brown, Bios Sc. Publ., NY, NY
8. «Ιατρική Γενετική» των Thompson&Thompson, σε μετάφραση, Πανεπιστημιακές Εκδόσεις Κρήτης, Ηράκλειο 2011

COURSE OUTLINE INFECTIONS IN HEALTH CARE

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ENA505-4**	**SEMESTER**	**WINTER**
COURSE TITLE	INFECTIONS IN HEALTH CARE		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

2. LEARNING OUTCOMES

Learning Outcomes
Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- possess the necessary theoretical knowledge concerning infections, their pathogenesis and specific ways of recording them.
- take measures to control infections and limit the spread of pathogens.
- plan the care of patients with infections
- cooperate excellently with all members of the health care team, the patient and the patient's environment.

General Skills
Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking

- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues *- Working in an interdisciplinary environment* *- Autonomous work*

3. COURSE CONTENT

1. Nosocomial infections (definition, types of infections)-general concepts
2. Infections in nursing; definitions, definitions of nosocomial infections; definitions of nosocomial infections and their causes.
3. The institution of the infection surveillance nurse
4. Epidemiology of Hospital Infections - Infection Control Program
5. Hand hygiene and personal preventive measures (PPE)
6. Individual Patient Hygiene
7. Surgical infections
8. Prevention and intervention control measures in intravenous (i.v.) supplies
9. Collection and transport of samples to the laboratory
10. Infections from urinary catheters
11. Infections in cancer patients
12. Hospital-acquired infections in ICUs
13. Infections in the provision of emergency care

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	***Workload/semester***
Lectures	26
Study	31
Exams	3
Total	60

5. SUGGESTED BIBLIOGRAPHY

1. Ιατρική Μικροβιολογία-Οδηγός Μικροβιακών Λοιμώξεων, Παθογένεση, Ανοσία, Ερμηνεία Εργαστηριακών Εξετάσεων και Δοκιμασιών 19η αγγλική/ 2η ελληνική έκδοση ΕΚΔΟΣΕΙΣ BROKENHILLPUBLISHERSLTD
2. STEP-UP: ΕΣΩΤΕΡΙΚΗ ΠΑΘΟΛΟΓΙΑ, STEVENAGABEGI ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ

3. ΒΕΝΝΕΤΤΚΑΙΒRACHMAN'S ΝΟΣΟΚΟΜΕΙΑΚΕΣ ΛΟΙΜΩΞΕΙΣ, 2η Έκδοση. William Jarvis ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ

MODULES 6TH SEMESTER

COURSE OUTLINENURSING MANAGEMENT/MANAGEMENT OF HEALTH CARE SERVICES

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΣΤΝΑ601**	**SEMESTER**	**SPRING**
COURSE TITLE	NURSING MANAGEMENT/MANAGEMENT OF HEALTH CARE SERVICES		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	3	3
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/modules/auth/opencourses.php?fc=248		

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- know the most important functions of management,: such as planning, organising, developing management programmes, making decisions and evaluating them.
- describe and analyse management models and how they are used in the nursing environment.
- effectively apply their management knowledge at all levels of nursing management.
- understand the requirements of continuous changes in the health care delivery system and apply their knowledge

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- *Adapting to new situations*
- *Decision making*
- *Autonomous work*
- *Teamwork*
- *Project planning and management*
- *Respect for diversity and multiculturalism*
- *Demonstrating social, professional and ethical responsibility and gender sensitivity*
- *Working in an interdisciplinary environment*

3. COURSE CONTENT

1. Principles of nursing administration
2. Nursing management planning
3. Theories of organization and management
4. Change management and leadership
5. Organisation of nursing services
6. Conflict management in the interprofessional team
7. Leadership - Management
8. Nursing informatics in nursing administration
9. The concept of nursing management; organisations and levels of management
10. Staff performance appraisal.
11. Audit
12. Nursing care delivery systems
13. Research in nursing administration

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	THEORY Written examination covering the entire course material with developmental, short answer questions (100%)

Activity	*Workload/semester*
Lectures	39
Study	48
Exams	3
Total	90

5. SUGGESTED BIBLIOGRAPHY

1. Υπηρεσίες Υγείας-Συστήματα και Πολιτικές, Πολυσυγγραφικό, Συντονισμός Σαράφης Παύλος

ΕΚΔΟΣΕΙΣ BROKENHILLPUBLISHERSLTD
2. Μάνατζμεντ και Οργανωσιακή Συμπεριφορά, MullinsLaurieJ. UTOPIA ΕΚΔΟΣΕΙΣ Μ. ΕΠΕ
3. Ηγεσία, 8η έκδοση, NorthousePeterG. ΕΚΔΟΣΕΙΣ ΠΑΠΑΣΩΤΗΡΙΟΥ & ΣΙΑ Ι.Κ.Ε

COURSE OUTLINEMENTAL HEALTH NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΣΤΝΑ602**	**SEMESTER**	**SPRING**
COURSE TITLE	MENTAL HEALTH NURSING		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	7
CLINICAL PRACTICE	3	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes
Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- recognise signs and symptoms of mental illness
- plan appropriate nursing care for patients with mental illness
- identify the mental health needs of the population in all mental health care settings
- prevent the relapse of mental illness in all health care settings
- provide counselling support by combining knowledge and skills of counselling nursing

General Skills
Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*

Production of new research ideas
- Adapting to new situations *- Decision making* *- Autonomous work* *- Teamwork* *- Project planning and management* *- Respect for diversity and multiculturalism* *- Demonstrating social, professional and ethical responsibility and gender sensitivity* *- Working in an interdisciplinary environment*

3. COURSE CONTENT

1. Introduction to mental health nursing-historical review of psychiatric nursing science-Psychiatric reform
2. The work and role of the mental health nurse
3. Process of psychiatric nursing
4. The role of the mental health nurse in closed and open care facilities for the mentally ill
5. Psychopathology-nursing care
6. Personality disorders
7. Mental health nursing of special populations
8. Mental health nursing in the community
9. Family and mental illness
10. Child & Adolescent Psychopathology
11. Nursing assessment, responsibility and intervention in patients with anxiety, depression, mania
12. Nursing assessment, responsibility and intervention in patients with schizophrenia
13. Nursing assessment, responsibility and intervention in patients with eating disorders

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	***Activity*** / ***Workload/semester*** Lectures — 39 Study — 129 Exams — 3 Clinical practice — 39 Total — 210
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written examination covering the entire course material with developmental, short answer questions (50%) CLINICAL PRACTICE Performance in the clinical exercise and through a working examination (50%)

5. SUGGESTED BIBLIOGRAPHY

1. Κοινοτικήνοσηλευτικήψυχικήςυγείας, Hannigan B.,Coffey M. ΕΚΔΟΣΕΙΣ BROKEN HILL PUBLISHERS LTD

2. Αρχές Ψυχιατρικής Νοσηλευτικής-Νοσηλευτική Ψυχικής Υγείας 2η έκδοση, Κούκια Ευμορφία ΕΚΔΟΣΕΙΣ BROKEN HILL PUBLISHERS LTD

3.ΝΟΣΗΛΕΥΤΙΚΗ ΨΥΧΙΚΗΣ ΥΓΕΙΑΣ ΜΕ ΜΙΑ ΜΑΤΙΑ 1/Ε.GRAHAME SMITH.ΠΑΡΙΣΙΑΝΟΥ ΜΟΝΟΠΡΟΣΩΠΗ ΑΝΩΝΥΜΗ ΕΚΔΟΤΙΚΗ

COURSE OUTLINEEMERGENCY NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΣΤΝΑ603**	**SEMESTER**	**SPRING**
COURSE TITLE	EMERGENCY NURSING		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	8
LABORATORY	2	
CLINICAL PRACTICE	3	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- be familiar with the organisation and equipment of the emergency department
- be familiar with the principles of pre-hospital management of the multi-injury patient
- be familiar with the basic principles of triage
- be able to design and implement an individualised nursing care plan for patients in the emergency department

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*

Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Adapting to new situations
- Decision making
- Autonomous work
- Teamwork
- Project planning and management
- Respect for diversity and multiculturalism
- Demonstrating social, professional and ethical responsibility and gender sensitivity
- Working in an interdisciplinary environment

3. COURSE CONTENT

1. Introduction to Emergency Nursing
2. Pre-hospital and in-hospital Triage
3. Evaluation and Management of the Multi-Injured Patient
4. Management of the patient with cataplexy.
5. Burns
6. Pain and its treatment
7. Drug Poisoning
8. Emergency pathological conditions: outpatient treatment
9. Emergency Pathologies: management in the ED
10. Rescue Techniques (Shock, Loss of consciousness, Basic and Advanced CPR,
11. Choking, Drowning, Airway, Ventilation,
12. Cricothyroidotomy)
13. Injuries

LABORATORY - CLINICAL PRACTICE
Includes clinical and laboratory exercises of the students in the Emergency Department of Alexandroupolis Hospital.

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about*	Written examination covering the entire course material with developmental, short answer questions (50%) CLINICAL EXERCISE-LABORATORY Oral examination at the end of the semester with topics requiring critical thinking and response (50%)

Activity	*Workload/semester*
Lectures	39
Study	133
Exams	3
Laboratory	26
Clinical practice	39
Total	240

the course assessment and how students are informed	

5. SUGGESTED BIBLIOGRAPHY

1. Επείγουσα Νοσηλευτική, Μαρβάκη, Κοτανίδου, Παπαγεωργίου. ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
2. Επείγουσα Νοσηλευτική - ΜΕΘ, MarianneSaunorusBaird, JanetHicksKeen, PamelaL. Swearingen ΕΚΔΟΣΕΙΣ ΒΗΤΑ ΙΑΤΡΙΚΕΣ ΕΚΔΟΣΕΙΣ ΜΕΠΕ
3. Επείγουσα Νοσηλευτική. Sweet Vicki. BROKEN HILL PUBLISHERS LTD

COURSE OUTLINEINTENSIVE CARE NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΣΤΝΑ604**	**SEMESTER**	**SPRING**
COURSE TITLE	INTENSIVE CARE NURSING		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	8
LABORATORY	2	
CLINICAL PRACTICE	3	
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- be familiar with the organisation and equipment of the ICU
- be familiar with the principles of pre-hospital management of the multi-injury patient
- be familiar with the basic principles of triage
- be able to design and implement an individualised nursing care plan for patients in the ICU

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*

Working in an international environment *Working in an interdisciplinary environment* *Production of new research ideas*	*Critical thinking* *Promoting free, creative and inductive reasoning*
- Adapting to new situations *- Decision making* *- Autonomous work* *- Teamwork* *- Project planning and management* *- Respect for diversity and multiculturalism* *- Demonstrating social, professional and ethical responsibility and gender sensitivity* *- Working in an interdisciplinary environment*	

3. COURSE CONTENT

1. Introduction to critical care nursing
2. Fluid - electrolyte balance.
3. Acid-base balance / blood gases
4. Treatment of a patient with cataplexy.
5. Mechanical respiratory support / ventilators
6. Monitoring / Electronic patient monitoring
7. Airway management and oxygen therapy in ICU.
8. Patient intubation
9. Multisystemic trauma in the ICU
10. Sedation - Analgesia - Muscle relaxation in ICU.
11. Nutritional support for the critically ill
12. Multisystemic disorders (Cataplexy, SIRS, sepsis and septic shock,
13. Multi-organ dysfunction syndrome [MODS], acid-base disorders, fluid and electrolyte disorders)

LABORATORY - CLINICAL PRACTICE
Includes clinical and laboratory exercises of students in the ICU of Alexandroupolis Hospital

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about*	Written examination covering the entire course material with developmental, short answer questions (50%) CLINICAL EXERCISE-LABORATORY Oral examination at the end of the semester with topics requiring critical thinking and response (50%)

Activity	*Workload/semester*
Lectures	39
Study	133
Exams	3
Laboratory	26
Clinical practice	39
Total	240

the course assessment and how students are informed	

5. SUGGESTED BIBLIOGRAPHY

1. Προτεραιότητες στην Εντατική Νοσηλευτική Φροντίδα Υγείας, Urden Linda, Stacy Kathleen, Lough Mary. ΕΚΔΟΣΕΙΣ BROKEN HILL PUBLISHERS LTD
2. ΕντατικήΝοσηλευτικήAdam, OsborneΕΚΔΟΣΕΙΣΚΩΝΣΤΑΝΤΑΡΑΣ
3. Νοσηλευτική Μονάδας Εντατικής Θεραπείας μη Καρδιακών Νόσων WaiteLindaG., KrumbergerJoanneM. ΜΑΡΙΑ ΠΑΡΙΚΟΥ & ΣΙΑ ΕΠΕ

OPTIONAL MODULES 6TH SEMESTER

COURSE OUTLINEPSYCHOGERIATRIC NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΣΤΝΑ605-1**	**SEMESTER**	**SPRING**
COURSE TITLE	PSYCHOGERIATRIC NURSING		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- Know the psychosocial changes that occur with age.
- Assess the psychosocial health status of older people.
- Organise , direct and implement guidelines on the care of older people.
- Provide comprehensive and individualized nursing care to older persons and their families, applying the principles of nursing care of the elderly

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*

Working in an international environment *Working in an interdisciplinary environment* *Production of new research ideas*	*Critical thinking* *Promoting free, creative and inductive reasoning*
- Effective communication in a nursing environment *- Searching, analysing and applying data and information in a nursing environment* *- Applying scientific principles, methods and knowledge to nursing practice and research* *- In general, promoting free, creative and inductive thinking* *- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues* *- Working in an interdisciplinary environment* *- Autonomous work*	

3. COURSE CONTENT

1. Psychosocial care of the elderly.
2. Cognitive decline and dementia in the elderly.
3. Alzheimer's disease.
4. Depression in the elderly.
5. Nursing process for body image disturbance,
6. Nursing process for low self-esteem, fear, anxiety, hopelessness, helplessness, social isolation, reduced social contact and disturbed family relationships.
7. Violence and older people
8. Stress and coping.
9. Stress and disease.
10. stress and life events-mourning-loss.
11. Stress reduction and coping strategies.
12. Factors affecting sexuality in the elderly.
13. Privacy and personal rights of older people.

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	***Workload/semester***
Lectures	26
Study	31
Exams	3
Total	60

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

5. SUGGESTED BIBLIOGRAPHY

1.Lubkin's Χρόνια νοσήματα Pamala Larsen. ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ

2. Στοιχεία Ψυχογηριατρικής, ΒΗΤΑ ΙΑΤΡΙΚΕΣ ΕΚΔΟΣΕΙΣ ΜΕΠΕ

3. Εισαγωγή στη Γεροντολογία - Αρχές Γηριατρικής Φροντίδας. Stuart-Hamilton Ian. BROKEN HILL PUBLISHERS LTD

COURSE OUTLINECRISIS MANAGEMENT IN NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΣTNA605-2**	**SEMESTER**	**SPRING**
COURSE TITLE	CRISIS MANAGEMENT IN NURSING		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :

- Understand the basic concepts of crisis management.
- acquire the necessary knowledge and skills to be able to respond to conditions in resource-limited environments
- recognise crisis situations and provide appropriate nursing care

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment

- Autonomous work

3. COURSE CONTENT

1. Basic definitions , types of crises,
2. Preparation for managing a crisis, stages in managing and responding to a crisis.
3. Organization of Crisis Management Training Programs in the Community
4. key institutional and political factors in crisis management
5. Natural and Environmental Disasters
6. Providing cross-cultural care in global and national disasters
7. Media and Mass Disasters
8. Mental Health Management in Mass Disasters
9. Child and Mass Disasters
10. Resource Management in Mass Disasters
11. Safety and Health at Work
12. Crisis Management in the Developing World
13. Mental Health Management for Health Professionals

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	*Workload/semester*
Lectures	26
Study	31
Exams	3
Total	60

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

5. SUGGESTED BIBLIOGRAPHY

1. Επιδημιολογία και Δημόσια Υγεία στη Νοσηλευτική, IvanovL., BlueC. ΕΚΔΟΣΕΙΣ BROKENHILLPUBLISHERSLTD

2.Πρώτες Βοήθειες-επείγουσα προνοσοκομειακή φροντίδα. Baudour, C., BergeronD. ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑ

3. Διαχείριση Καταστροφών και Κρίσεων. Πικουλής Εμμανουήλ, Σουλιώτης Κυριάκος, Τσιρώνη Μαρία, Ανδριόπουλος Παναγιώτης, Τσιάμης Κωνσταντίνος, Τόσκα Αικατερίνη, Καραμαγκιώλη Βασιλική, Σαρίδη Μαρία. ΚΑΛΛΙΠΟΣ Ανοικτές Ακαδημαϊκές Εκδόσεις

COURSE OUTLINETEACHING METHODS

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΣTNA605-3**	**SEMESTER**	**SPRING**
COURSE TITLE	TEACHING METHODS		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY		2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- choose between traditional and modern teaching and learning methods according to the target population,
- design and implement an individualised nursing education plan in patients in the hospital and in the community,
- develop and apply individual and group skills to formulate a flexible framework of teaching thinking and methodology and clinical behaviour in the hospital setting

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Traditional and modern teaching and learning methods

2. Behavioural learning theories
3. Cognitive learning theories
4. Anthropocentric learning theories
5. adult learning theories
6. Small group teaching methods
7. Education of the chronically ill.
8. Education of people with disabilities
9. Continuing education in nursing
10. Teaching and learning in the clinical setting
11. Preparation and presentation of the educational material of an exemplary teaching
12. Teaching and learning in the context of health promotion and health education
13. Distance learning

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	*Workload/semester*
Lectures	26
Study	31
Exams	3
Total	60

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

5. SUGGESTED BIBLIOGRAPHY

1. Bradshaw M. Σύγχρονες Μέθοδοι Διδασκαλίας για Νοσηλευτές και άλλους Επαγγελματίες. 1ήΈκδοση. BROKEN HILL PUBLISHERS LTD, Αθήνα, 2011.

2. Sandra De Young. Μέθοδοι Διδασκαλίας στη Νοσηλευτική Εκπαίδευση.2η Έκδοση. ΛΑΓΟΣ ΔΗΜΗΤΡΙΟΣ, Αθήνα 2010.

3. Μέθοδοι Διδασκαλίας. D.A. Jacobsen, P. Eggen, D. Kauchak. Κ.Θ.ΜΠΑΜΠΑΛΗΣ ΜΟΝΟΠΡΟΣΩΠΗ Ι.Κ.Ε.

COURSE OUTLINEPALLIATIVE CARE IN NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ΣΤΝΑ605-4**	**SEMESTER**	**SPRING**
COURSE TITLE	PALLIATIVE CARE IN NURSING		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :

- understand the concept of palliative care
- acquire basic knowledge and skills for the care of patients with chronic diseases
- apply ethical principles in the care of patients with chronic diseases
- provide individualised care for patients with chronic symptoms
- understand the need for care to improve the quality of life of patients,
- understand the needs of people who are grieving and implement appropriate interventions to support them.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Basic Principles and Philosophy of Palliative Care
2. Historical development of palliative care philosophy, Palliative care structures
3. Pain and suffering in clinical practice: assessment and nursing management of patients with pain

4. Guidelines-Protocols and nursing care plans for patients with other symptoms (nausea, vomiting, constipation, fatigue, dyspnoea, anxiety, depression)
5. Therapeutic nursing communication with terminal patients
6. Management of acute events in palliative care
7. Ethical dilemmas in palliative care
8. Pediatric Palliative Care
9. Palliative care for patients with non-malignant diseases
10. Priorities and nursing interventions for end of life care
11. Grief and bereavement in palliative care
12. Supporting carers.
13. Palliative surgery

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	***Workload/semester***
Lectures	26
Study	31
Exams	3
Total	60

5. SUGGESTED BIBLIOGRAPHY

1. ΕγχειρίδιοΑνακουφιστικήςΦροντίδας, Faull Christina, Caestecker Sharon, Nicholson Alex, Black Fraser BROKEN HILL PUBLISHERS LTD,

2. Θεμελιώδεις Διαστάσεις της Ανακουφιστικής Φροντίδας στη Νοσηλευτική-Τεκμηριωμένη Γνώση και Πρακτική, Becker Robert BROKEN HILL PUBLISHERS LTD

3. Ανακουφιστική νοσηλευτική, S. Kinghorn, R. Gamlin - Επιμέλεια:Ε. Θεοδοσοπούλου-Ευθυμίου ΒΗΤΑ ΙΑΤΡΙΚΕΣ ΕΚΔΟΣΕΙΣ ΜΕΠΕ

MODULES7TH SEMESTER

COURSE OUTLINEPSYCHIATRIC-MENTAL HEALTH NURSING AT THE INTERFACE

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ZNA701**	**SEMESTER**	**WINTER**
COURSE TITLE	PSYCHIATRIC-MENTAL HEALTH NURSING AT THE INTERFACE		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	3
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :

1. Recognize the psychosocial needs of the patient with an organic disease
2. Offer support and counselling to patients
3. Offer support and counselling to reference persons - relatives
4. Collaborate and counsel health professionals involved in the care of the patient
5. Train staff in the treatment of the patient
6. Collaborate with administration and community structures for continuity of care patient
7. Recognize the psychological problems of the chronically ill

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Introduction to Interdisciplinary Psychiatry
2. Mental disorders of cancer patients.
3. The dying patient
4. Mental disorders of surgical patients
5. Mental disorders of pathological patients
6. Mental disorders of chronically ill patients
7. Management of the aggressive patient
8. Psychopharmacology in Interdisciplinary Psychiatric Nursing
9. Secondary Traumatic Stress and burnout in health care professionals - The role of the Counsellor- Liaison in supporting staff.
10. Supervision and support
11. Special patient groups (children, adolescents)
12. Special patient groups (elderly)
13. Women as patients

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	*Workload/semester*
Lectures	39
Study	48
Exams	3
Total	90

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

5. SUGGESTED BIBLIOGRAPHY

1. Διασυνδετική Ψυχιατρική. Λ. Λύκουρας, Κ Σολδάτος, Γ.Ζέρβας. Βήτα Ιατρικές εκδόσεις ΜΕΠΕ, 1η εκδ/2009

2.ΣυμβουλευτικήΝοσηλευτική, FreshwaterD. BROKENHILLPUBLISHERSLTD

3. Αρχές Ψυχιατρικής Νοσηλευτικής-Νοσηλευτική Ψυχικής Υγείας 2η έκδοση.ΚούκιαBROKEN HILL PUBLISHERS LTD

COURSE OUTLINEELDERLY NURSING CARE

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ZNA702**	**SEMESTER**	**WINTER**
COURSE TITLE	ELDERLY NURSING CARE		
TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	THEORY	3	3
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.			
COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area		
PREREQUISITES:	-		
TEACHING & EXAMINATION LANGUAGE:	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS:	No		
COURSE URL:	https://eclass.duth.gr/courses/1021376/		

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- Know the physiological changes that occur with age.
- Assess the health status of older people.
- Organise , Manage and implement guidelines relating to the care of older people.
- Provide comprehensive and individualized nursing care to older persons and their families, applying the principles of nursing care of the elderly

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Ageing and older people. General assessment of ageing. Theories of ageing
2. Health assessment of the elderly. Assessment of nursing needs of the elderly.
3. Nursing of the elderly. Most common diseases in the elderly. The role of the nurse in

treatment.
4. The role of the nurse in history taking and physical examination of the elderly.
5. Health maintenance and perceptions of home nursing care
6. Recommended health practices for the elderly
7. Meeting the safety needs of the elderly.
8. Medication and the elderly. Medication use and abuse.
9. End of life care.
10. Health of the elderly - Nutrition, exercise, sleep, rest.
11. Attitudes towards death and end-of-life planning
12. Meeting nutritional and fluid intake needs

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	*Workload/semester*
Lectures	39
Study	48
Exams	3
Total	90

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

5. SUGGESTED BIBLIOGRAPHY

1. Νοσηλευτικήφροντίδαηλικιωμένων, Redfern S. J.,Ross F. M ΕΚΔΟΣΕΙΣ BROKEN HILL PUBLISHERS LTD
2. Γεροντολογική νοσηλευτική. ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ ΕΤΕΡΟΡΡΥΘΜΗ ΕΤΑΙΡΕΙΑ ΕΚΔΟΣΕΙΣ
3. Κατ' οίκον Νοσηλευτική Φροντίδα. Καλοκαιρινού-Αναγνωστοπούλου, Θ.Αδαμακίδου ΒΗΤΑ ΙΑΤΡΙΚΕΣ ΕΚΔΟΣΕΙΣ

COURSE OUTLINEMIDWIFERY NURSING /WOMENS' HEALTH

1. GENERAL

SCHOOL	HEALTH SCIENCES
DEPARTMENT	NURSING

LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ZNA703**	**SEMESTER**	**WINTER**
COURSE TITLE	MIDWIFERY NURSING /WOMENS' HEALTH		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	3	3
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/NURS115/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- Understand the basic concepts related to the anatomy-physiology of the female reproductive system, intrauterine development of the fetus, and the physiology of pregnancy and childbirth.
- To promote health and analyse the role of the nurse in the prevention of specific conditions affecting women, evolutionarily (puberty, pregnancy, childbirth, postpartum, menopause).
- Recognise the pathological conditions that the woman and the foetus may encounter during pregnancy, childbirth and postpartum.
- Analyse and apply nursing interventions according to the conditions that may occur in the woman throughout her life.
- Report and analyse interventions for the prevention and control of gynaecological life-threatening conditions.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information, ICT Use	*Project design and management*
Adaptation to new situations	*Equity and Inclusion*
Decision making	*Respect for the natural environment*
Autonomous work	*Sustainability*
Teamwork	*Demonstration of social, professional and moral responsibility and sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Reproductive anatomy and physiology; pregnancy
2. Diagnosis and monitoring of pregnancy
3. Childbirth

4.	Multiple pregnancy
5.	Contraception
6.	Viral infections and pregnancy
7.	Menopause & hormone replacement therapy
8.	Infertility
9.	Teratogenesis
10.	Gestational diabetes
11.	Sexually transmitted diseases
12.	Cases-miscarriages-ectopic pregnancies
13.	Pathology of pregnancy

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	***Activity*** — ***Workload/semester*** Lectures — 39 Study — 48 Exams — 3 — — — Total — 90
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

5. SUGGESTED BIBLIOGRAPHY

1. Νοσηλευτική Μητρότητας-Γυναικολογική Φροντίδα Υγείας, McKinney Slone Emily, James Rowen Susan, Murray Smith Sharon, Nelson Ann Kristine, Ashwill Weiler Jean BROKEN HILL PUBLISHERS LTD
2. Νοσηλευτική Μητρότητας, Lowdermilk , Perry, Cashion ΕΚΔΟΣΕΙΣ ΜΟΝΟΠΡΟΣΩΠΗ Ι.Κ.Ε.
3. Φροντίδα Μητρότητας και Υγείας των Γυναικών Lowdermilk, Perry, Cashion, Alden, Olshansky ΛΑΓΟΣ ΔΗΜΗΤΡΙΟΣ

COURSE OUTLINECLINICAL NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES
DEPARTMENT	NURSING

LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ZNA704**	**SEMESTER**	**WINTER**
COURSE TITLE	CLINICAL NURSING		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
CLINICAL PRACTICE	18	17
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area-Skill Development
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- Assess patient needs, implement necessary nursing interventions and evaluate the outcomes of care provided
- make clinical decisions
- work in a multidisciplinary environment
- coordinate the team that organises the overall care within the healthcare organisation or community
- meet the health needs of the individual in the hospital, home, school and workplace
- work as autonomous professionals

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

Clinical training in the departments of the General Hospital of Alexandroupolis

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION &	Use of ICT technology for teaching and communication

COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	***Activity*** — ***Workload/semester*** Clinical training — 510 Total — 510
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Oral examination at the end of the semester with Topics related to clinical skills regarding patient care (100%)

5. SUGGESTED BIBLIOGRAPHY

1. Ulrich και Canale's Σχέδια Φροντίδας στην Κλινική Νοσηλευτική-Προτεραιότητες, Αναθέσεις και Κλινικές Αιτιολογήσεις, Haugen Nancy, Galura Sandra J BROKEN HILL PUBLISHERS LTD
2. Οδηγός Ανάπτυξης Σχεδίου Νοσηλευτικής Φροντίδας 2η έκδοση, Doenges Merilynn E.,Moorhouse Mary Frances,Murr Alice C. J BROKEN HILL PUBLISHERS LTD
3. Taylor's ΚΛΙΝΙΚΕΣ ΔΕΞΙΟΤΗΤΕΣ ΣΤΗ ΝΟΣΗΛΕΥΤΙΚΗ. PAMELALYNN. ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ ΕΤΕΡΟΡΡΥΘΜΗ ΕΤΑΙΡΕΙΑ

OPTIONAL MODULES 7TH SEMESTER

COURSE OUTLINENUTRION AND DIETOLOGY

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ZNA705-1**	**SEMESTER**	**WINTER**
COURSE TITLE	NUTRION AND DIETOLOGY		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- understand the basic principles of nutrition, the function of digestion, absorption and excretion of nutrients in the human body
- understand the importance of nutrition in the prevention and promotion of health in the life cycle
- understand the importance of nutrition in various diseases and in secondary prevention
- recognise nutritional needs at different stages of life
- assess and recognise the nutritional needs of patients according to their disease and cultural background
- use nutritional risk screening methods and detect persons at nutritional risk
- know the principles of clinical nutrition therapy, particularly with regard to artificial nutrition (enteral-parenteral)
- plan and evaluate the implementation of nutritional care in clinical practice

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Fundamentals of clinical nutrition - Consideration: absorption, transport and excretion of nutrients.
2. Energy requirements and factors determining them- Carbohydrates, proteins, lipids, vitamins, water and minerals.
3. Nutrition in pregnancy and lactation.
4. Nutrition in childhood and adolescence.
5. Nutrition in adulthood and in the elderly.
6. Nutrition in special diseases
7. Basic principles of clinical nutrition
8. Nutritional risk detection and assessment
9. patient.
10. Obesity
11. Nutritional support in the hospital

12.	Nutritional care in diabetes mellitus
13.	Mediterranean diet

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	*Workload/semester*
Lectures	26
Study	31
Exams	3
Total	60

5. SUGGESTED BIBLIOGRAPHY

1. Βασικές αρχές διατροφής στη νοσηλευτική: ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
2. Η Διατροφή στα Στάδια της Ζωής 2η έκδοση, Ζαμπέλας Αντώνιος: ΕΚΔΟΣΕΙΣ BROKENHILLPUBLISHERSLTD
3. Φυσιολογία της Άσκησης για Υγεία, Φυσική Κατάσταση και Απόδοση. S. PLOWMAN, D. SMITH ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ

COURSE OUTLINENEUROLOGY/NEUROSURGERY NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ZNA705-2**	**SEMESTER**	**WINTER**
COURSE TITLE	NEUROLOGY/NEUROSURGERY NURSING		

TEACHING ACTIVITIES	**TEACHING**	**ECTS CREDITS**

If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.	**HOURS PER WEEK**	
THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to:
- recognize the pathophysiological changes occurring in neurological and neurosurgical diseases
- plan appropriate nursing care for these patients

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and*
Teamwork	*sensitivity to gender issues*
Working in an international environment	*Critical thinking*
Working in an interdisciplinary environment	*Promoting free, creative and inductive reasoning*
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Nursing Assessment of a Patient with Neurological Disease
2. Physical Examination of the Nervous System
3. Nursing Practices in the main and most common neurological diseases
4. Care of patients with Neurodegenerative Diseases
5. Care of Patients with Infections of the Nervous System
6. Nursing assessment of patient communication level
7. Physical examination of brain couplings
8. Care of patients with Chronic Neurological Disorders (Alzheimer's Disease, other dementias, Parkinson's Disease, Myasthenia Gravis, lateral myotrophic sclerosis)
9. Care of patients with acute brain disorders (intracranial pressure, cerebral oedema, traumatic brain injury, infectious diseases of the CNS, brain tumours, hydrocephalus)
10. Nursing care of patients with neurological disease problems
11. Nursing assessment and care of patients with Nervous System Injury
12. Nursing care of patients with Stroke
13. Care of patients with cerebral aneurysm

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	*Workload/semester*
Lectures	26
Study	31
Exams	3
Total	60

5. SUGGESTED BIBLIOGRAPHY

1. Νευρολογία HEINRICH ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ
2. Βασιλόπουλος Νευρολογία, Ευδοκιμίδης Ι.,Πόταγας Κ., Καλφάκης Ν: ΕΚΔΟΣΕΙΣ BROKEN HILL PUBLISHERS LTD
3. Εγχειρίδιο νευροχειρουργικής. Μπιρμπίλης Θεοδόσιος, Κουρτόπουλος Χαράλαμπος. UNIVERSITY STUDIO PRESS

COURSE OUTLINECOUNCELLING IN NURSING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ZNA705-3**	**SEMESTER**	**WINTER**
COURSE TITLE	COUNCELLING IN NURSING		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- develop basic counselling skills and
- enhance their self-awareness and professional role as counsellors in the field of nursing.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Introduction - definitions - objectives of counselling , counselling and psychotherapy, counselling and interdisciplinary approach , health promotion, primary health care and mental health
2. Theoretical background , models of counselling, psychodynamic approach, cognitive-behavioural approach, person-centred approach, systemic approach
3. Models of counselling, psychodynamic approach,
4. Models of counselling cognitive
5. Models of counseling behavioral approach
6. The nurse as a counsellor
7. The process of counselling
8. Initiation of the process, use of communication techniques (active listening, reflection of meaning and emotion, silence, questions, paraphrasing, summarizing)
9. Maintaining rapport, facilitating process (immediacy, self disclosure, facing resistance)
10. Process of change (goals, problem solving, providing information, teaching, evaluating, ending)
11. Multiculturalism and counselling
12. Research and counselling
13. Counselling and burnout

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY	Use of ICT technology for teaching and communication with thestudents

(ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions

Activity	*Workload/semester*
Lectures	26
Study	31
Exams	3
Total	60

5. SUGGESTED BIBLIOGRAPHY

1. Εισαγωγή στη συμβουλευτική, McLeod John ΕΚΔΟΣΕΙΣ ΜΕΤΑΙΧΜΙΟ ΕΚΔΟΤΙΚΗ Α.Ε
2. Συμβουλευτική Νοσηλευτική, Freshwater D ΕΚΔΟΣΕΙΣ BROKEN HILL PUBLISHERS LTD
3. Εισαγωγή στη συμβουλευτική ψυχολογία. B. Douglas, R. Woolfe, S. Strawbridge, E. Kasket, V. Galbraith, A. Γιοβαζολιάς, Γ. Γκαντώνα, Ε. Καρακασίδου, Ε. Ναυρίδη, Γ. Τσίτσας ΠΕΔΙΟ ΕΚΔΟΤΙΚΗ,ΔΙΑΦΗΜΙΣΤΙΚΗ ΚΑΙ ΡΑΔΙΟΤΗΛΕΟΠΤΙΚΩΝ ΠΑΡΑΓΩΓΩΝ Α.Ε

COURSE OUTLINEORGANIZATIONAL CULTURE IN HEALTH CARE

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**ZNA705-4**	**SEMESTER**	**WINTER**
COURSE TITLE	ORGANIZATIONAL CULTURE IN HEALTH CARE		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	2	2
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Knowledge
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- familiarise students with the basic concepts of organisational culture of organisational behaviour
- acquire a cognitive scientific background on basic human and individual differences, organisational culture, organisational structure, communication, learning and change management

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Introduction to organisational behaviour and culture
2. Emotions and emotional intelligence
3. Job satisfaction in health care organisations
4. Team dynamics in health care
5. Leadership and organizational culture
6. Organisational learning
7. Management of organisational change
8. Decision-making process
9. Incentives in organisations
10. Organisational culture and strategy
11. Risk assessment - decision making
12. Job Routine Development - Job Crafting
13. Case studies

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents

TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	*Activity*	*Workload/semester*
	Lectures	26
	Study	31
	Exams	3
	Total	60
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Written exam, consisting of multiple choice questionnaires combined with short-answer questions short-answer questionsopen-ended questions	

5. SUGGESTED BIBLIOGRAPHY

1. Robbins, S. & Judge, T. (2018). Οργανωσιακή Συμπεριφορά. Εκδ. Κριτική
2. Χυτήρης Λ. (2017). Οργανωσιακή Συμπεριφορά Εκδ. Ε. Μπένου
3. Οργανωσιακή κουλτούρα υπηρεσιών υγείας (2014). Γούλα Α. ΕΚΔΟΣΕΙΣ Α.ΠΑΠΑΖΗΣΗΣ

MODULES 8TH SEMESTER

COURSE OUTLINECLINICAL PRACTICE (CLINICAL TRAINING)

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**HNA801**	**SEMESTER**	**SPRING**
COURSE TITLE	CLINICAL PRACTICE (CLINICAL TRAINING)		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
CLINICAL TRAINING	20	20
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Scientific Area, Skill Development
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- Assess patient needs, implement the necessary nursing interventions and evaluate the outcomes of the care provided
- make clinical decisions
- work in a multidisciplinary environment
- coordinate the team that organises the overall care within the healthcare organisation or community
- meet the health needs of the individual in the hospital, home, school and workplace
- work as autonomous professionals

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

1. Fundamentals of clinical nutrition - Consideration: absorption, transport and excretion of nutrients.
2. Energy requirements and factors determining them- Carbohydrates, proteins, lipids, vitamins, water and minerals.
3. Nutrition in pregnancy and lactation.
4. Nutrition in childhood and adolescence.
5. Nutrition in adulthood and in the elderly.
6. Nutrition in special diseases
7. Basic principles of clinical nutrition
8. Nutritional risk detection and assessment
9. patient.
10. Obesity
11. Nutritional support in the hospital
12. Nutritional care in diabetes mellitus
13. Mediterranean diet

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	The finale score is based on the assessment of the clinical placement supervisor (20%), the trainee's written report on performance (10%), the consistency of his/her attendance (20%) and the oral examination on all clinical nursing skills (50%).

Activity	***Workload/semester***
Lectures	337
Report writing	260
Exams	3
Total	600

5. SUGGESTED BIBLIOGRAPHY

1. Ulrich και Canale's ΣχέδιαΦροντίδαςστηνΚλινικήΝοσηλευτική-Προτεραιότητες, ΑναθέσειςκαιΚλινικέςΑιτιολογήσεις, Haugen Nancy, Galura Sandra J BROKEN HILL PUBLISHERS LTD
2. ΟδηγόςΑνάπτυξηςΣχεδίουΝοσηλευτικήςΦροντίδας 2ηέκδοση, Doenges Merilynn E.,Moorhouse Mary Frances,Murr Alice C. J BROKEN HILL PUBLISHERS LTD
3. Αρχές και κλινικές δεξιότητες στη νοσηλευτική. Γ. Φασόη, Μ,Κελέση, Δ.Παπαγεωργίου ΕΚΔΟΣΕΙΣ ΚΩΝΣΤΑΝΤΑΡΑΣ

COURSE OUTLINESCIENTIFIC RESEARCH WRITING

1. GENERAL

SCHOOL	HEALTH SCIENCES		
DEPARTMENT	NURSING		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**HNA802**	**SEMESTER**	**SPRING**
COURSE TITLE	SCIENTIFIC RESEARCH WRITING		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
THEORY	5	10
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Skill Development
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	No
COURSE URL:	https://eclass.duth.gr/courses/1021376/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

Upon successful completion of the course, participants will be able to :
- identify and define research problems
- select the appropriate methodology for the study
- apply all ethical principles
- carry out a research project.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,	*Project design and management*
ICT Use	*Equity and Inclusion*
Adaptation to new situations	*Respect for the natural environment*
Decision making	*Sustainability*
Autonomous work	*Demonstration of social, professional and moral responsibility and sensitivity to gender issues*
Teamwork	*Critical thinking*
Working in an international environment	*Promoting free, creative and inductive reasoning*
Working in an interdisciplinary environment	
Production of new research ideas	

- Effective communication in a nursing environment
- Searching, analysing and applying data and information in a nursing environment
- Applying scientific principles, methods and knowledge to nursing practice and research
- In general, promoting free, creative and inductive thinking
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Working in an interdisciplinary environment
- Autonomous work

3. COURSE CONTENT

Writing of the scientific text based on the research protocol as defined in the standards of a scientific article submitted for publication in a reputable scientific journal

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT technology for teaching and communication with thestudents

TEACHING ORGANIZATION

The ways and methods of teaching are described in detail.
Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.

The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.

Activity	*Workload/semester*
Lectures	150
Report writing	50
Exams	3
Study	97
Total	300

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Evaluation of manuscript (100%) by 3 memebers (members of teaching staff)

5. SUGGESTED BIBLIOGRAPHY

1. Πως να Διαβάσετε και να Συντάξετε ένα Επιστημονικό Δοκίμιο. Hall M. George, Greenhalgh Trisha BROKEN HILL PUBLISHERS LTD.1η έκδοση/2020
2. ΣΥΓΓΡΑΦΗ ΔΙΠΛΩΜΑΤΙΚΗΣ ΕΡΓΑΣΙΑΣ ΚΑΙ ΔΙΑΤΡΙΒΗΣ. RANDYL. JOYNER. ΚΩΝΣΤΑΝΤΑΡΑΣ. 1η έκδοση/2019
3. Κανόνες Συγγραφής. Hacker D., Sommers N. BROKEN HILL PUBLISHERS LTD. 1/2023
4. Μεθοδολογία της έρευνας στις επιστήμες υγείας. Πέτρος Γαλάνης. Εκδότης: Εκδόσεις Κριτική Α.Ε., Αθήνα, 2η έκδοση/2022