



College of Physical Therapy



Bachelor of Science in Physical Therapy

First Year, First Semester

COURSE CODE	COURSE TITLE	LEC	LAB	UNITS
ENG100p	Intensive English	-	-	-
ENGL101p	Communication Arts and Skills 1	3	0	3
	Komunikasyon sa Akademikong Filipino	3	0	3
MATH 111p	College Algebra	3	0	3
MATH 112p	Trigonometry	3	0	3
BESC101p	General Psychology	3	0	3
SOSC100p	Kasaysayan at Pamahalaan ng Pilipinas	3	0	3
SOSC103p	Kursong Rizal	3	0	3
PHED101p	Physical Fitness/Dance	2	0	2
	Aerobics/Phil.Games			
COMP101p	Basic Computer Concepts and Operations	2	1	3
REED141p	Foundations of Christian Faith	3	0	(3)
NSTP 101p	National Service Training Program	3	0	3
TOTAL		31	1	29+(3)

First Year, Second Semester

COURSE CODE	COURSE TITLE	LEC	LAB	UNITS
ENG103p	Speech and Oral Communication	3	0	3
	Pagbasa at Pagsulat Tungo sa Pananaliksik	3	0	3
CHEM110p	General and Inorganic Chemistry	3	2	5
PHLO101p	Logic	3	0	3
BIOL100p	General Biology	3	0	3
PHLO103p	Pilosopiya ng Tao	3	0	3
BESC103p	Sociology-Anthropology with HIV	3	0	3
PHED102p/103p	Individual / Dual Games	2	0	2
REED142p	Discipleship in the Christian Community	3	0	(3)
NSTP 102p	National Service Training Program	3	0	3
TOTAL		29	2	28+(3)

Second Year, First Semester

COURSE CODE	COURSE TITLE	LEC	LAB	UNITS
	Masing na Pagpapahayag	3	0	3
LITT101p	Philippine Literature	3	0	3
BIOL121p	General Zoology	3	2	5
PHYS110p	General Physics: Mechanics and Energy	3	2	5
AHSE107p	Integrated Health Care	3	2	5
PHED202p	Swimming	2	0	2
REED143p	Living our Christian Commitment	3	0	(3)

PHTH001	Health Informatics 1	2	0	(2)
TOTAL		22	6	23+(5)

Second Year, Second Semester

COURSE CODE	COURSE TITLE	LEC	LAB	UNITS
LITT102p	World Literature	3	0	3
MATH122p	Biostatistics	3	0	3
BIOL123p	Comparative Anatomy of Vertebrates	3	2	5
PHYS107p	Applied Physics	2	1	3
CHEM111p	Organic Chemistry	3	2	5
PHTH100p	AHSE: Human Anatomy and Physiology	3	2	5
AHSE 104p	Health Economics with Taxation and Land Reform	3	0	3
PHED104p	Team Sports	2	0	2
REED144p	Spirituality of Social Transformation	3	0	(3)
TOTAL		25	7	29+(3)

Third Year, First Semester

COURSE CODE	COURSE TITLE	LEC	LAB	UNITS
PHTH 101	Human Anatomy 1 (Histology, Embryology Gross Anatomy of Head & Face, Limbs & Back)	5	1	6
PHTH 102	Human Anatomy 2 (Internal Organs, Neuroanatomy)	4	1	5
PHTH 104	Physiology 1 (General Physiology and Neuroanatomy)	3	1	4
PHTH 105	Physiology 2 (Organ System Physiology)	3	1	4
PHTH 107	Pathology/Microbiology (General Pathology & General Microbiology)	2	0	2
PHTH 118	Orthotics and Prosthetics	3	1	4
TOTAL		20	5	25

Third Year, Second Semester

COURSE CODE	COURSE TITLE	LEC	LAB	UNITS
PHTH 103	Human Anatomy 3: (Kinesiology and Biomechanics)	5	0	5
PHTH 202	Medical & Surgical Foundation: Neurology & Adult Conditions	4	0	4
PHTH 203	Medical & Surgical Foundation: General Surgical, Radiology, Orthopedic & Miscellaneous Conditions	5	0	5
PHTH 109	Pharmacology in PT	2	0	2
PHTH 204	Seminar 1(Clinical Correlation & Team Approach)	2	0	2

PHTH 205	Seminar 2 (Clinical Correlation & Team Approach)	2	0	2
PHTH 002	Health Informatics 2	2	0	(2)
TOTAL		22	0	20+(2)

Fourth Year, First Semester

COURSE CODE	COURSE TITLE	LEC	LAB	UNITS
PHTH 113	Physical Therapy Tests, Measures and Documentation	4	3	7
PHTH 201	Medical & Surgical Foundation: Geriatric and Pediatric Conditions	5	0	5
PHTH 206	Seminar 3 (Clinical Correlation & Team Approach)	2	0	2
PHTH 108	Psychiatry (Psychological Reaction to Disability)	3	0	3
PHTH 114	Therapeutic Exercise 1 (Principles, Physiology & Types of Exercises)	3	1	4
PHTH 115	Therapeutic Exercise 2 (Specific Condition Exercises)	2	2	4
PHTH 106	Human Growth and Development	3	0	3
TOTAL		22	6	28

Fourth Year, Second Semester

COURSE CODE	COURSE TITLE	LEC	LAB	UNITS
PHTH 116	Therapeutic Exercise _ (Advanced Therapeutic Exercise)	2	2	4
PHTH 111	Intro to Patient Care, Hydrotherapy, Massage & Superficial Heat	3	3	6
PHTH 112	Electrotherapy 1 (High Frequency Currents & Sound Waves)	1	2	3
PHTH 122	Electrotherapy 2 (Low & Medium Frequency Currents)	1	2	3
PHTH 110	Ethics in PT	3	0	3
PHTH 117	Organization and Administration	2	0	2
PHTH 300	Research Methodology: Preparatory to Thesis Writing	3	0	3
PHTH 301	Introduction to Clinical Training	0	4	4
PHTH 003	Evidence-Based Practice in Physical Therapy 1	2	0	(2)
TOTAL		17	13	28+(2)

Fifth Year

COURSE CODE	COURSE TITLE	LEC	LAB	UNITS
PHTH 302	Clinical Rotation & Community Rotation (10 months=1760hrs)			

(w/ Case Conference & Evaluation =120 hrs)	34	0	34
PHTH 303	Clinical Correlation Academic Rotation (1 month=160 hrs)	6	0 6
PHTH 207	Seminar 4: Clinical Updates in Physical Therapy Assessment and Treatment	10	0 10
PHTH304	Research Application and Thesis Writing	6	0 6
PHTH 004	Evidence-Based Practice in Physical Therapy 2	4	0 (4)

Course description Physical Therapy courses

Physical Therapy 1

Title of Subject: Introduction to Patient Care, Hydrotherapy, Massage and Superficial Heat
 Course Code: PHTH111
 Units: 6 units (3 units lecture, 3 units laboratory)
 Hours: 9 hours (3 hours lecture, 6 hours laboratory)
 Prerequisites: Anatomy 1, Anatomy 2, Physiology 1, Physiology 2 and Physical Therapy 3

The first part of the course includes very basic knowledge and skills on patient care such as taking and recording the vital signs, bed making, draping, and transfer techniques. The second part of the course focuses on mechanotherapy particularly massage, manipulation, intermittent passive pressure and traction as therapeutic modalities. The last part of the course begins with the basic principles behind the therapeutic effects of water, heat and cold. Subsequently, students are trained on the description, indications, contraindications, therapeutic application and care of various superficial heating and hydrotherapy modalities. Students are also trained in wound care and debridement in this course.

Physical Therapy 1.2.1

Title of Subject: Electrotherapy 1 (High Frequency Currents and Sound Waves)
 Course Code: PHTH112
 Units: 3 units (1 unit lecture, 2 units laboratory)
 Hours: 5 hours (1 hour lecture, 4 hours laboratory)
 Prerequisites: Anatomy 1 and Physical Therapy 3

This course covers basic principles of electricity and their therapeutic use in Physical Therapy. It includes the techniques, physical and physiological bases for the therapeutic use of heat, light, high frequency currents, and sound waves. Modalities used during laboratory hours are diathermies, ultrasound, IRR, laser, phonophoresis, and UVR (Actinotherapy). Clinical electrophysiology through the study and measurement of physiological effects of electrotherapeutic modalities upon the human body are presented in lecture and

laboratory sessions. An emphasis is placed on physical therapy management and treatment outcome.

Physical Therapy 1.2.2

Title of Subject: Electrotherapy 2 (Low and Medium Frequency Currents)
Course Code: PHTH122
Units: 3 units (1 unit lecture, 2 units laboratory)
Hours: 5 hours (1 hour lecture, 4 hours laboratory)
Prerequisite: Electrotherapy 1

The course deals with the principles, techniques, physical and physiological bases for the therapeutic use of low frequency and medium frequency currents including the methods of performing, applying and interpreting electromyography, nerve conduction measurements, Transcutaneous Electrical Nerve Stimulation (TENS), Electrical Stimulation, functional electrical Stimulation, electrodiagnosis, interferential current, biofeedback, iontophoresis and diadynamics.

Physical Therapy 2

Title of Subject: Principles and Techniques of Measurement, Evaluation and Documentation)
Course Code: PHTH113
Units: 7 units (4 units lecture, 3 units laboratory)
Hours: 10 hours (4 hours lecture, 6 hours laboratory)
Prerequisites: Anatomy 1, Anatomy 2 and Anatomy 3

This course teaches the student the principles and guidelines in documentation using the Problem-Oriented Medical Record (POMR) approach. Student learning is evaluated through analysis of physical therapy charts and actual history taking. The different medical terms for various symptoms often encountered in PT practice is also defined. Practicum sessions focus on developing the skills in taking a patient history, making progress notes and recording it correctly. This course also teaches the PT students the knowledge and skill needed to perform a COMPLETE physical examination. Emphasis is placed on the evaluation of the neuromusculoskeletal system and on functional assessment. Students are trained on the all basic evaluation procedures particularly range of motion testing, manual muscle testing and special tests which are practiced during laboratory sessions. The latter part of the course introduces the student to the use of functional outcome measures. In analyzing commonly used assessment protocols and outcome measures, students are required to research on current evidence that either support or question a tool and/or protocol.

Therapeutic Exercise 1

Title of Subject: Therapeutic Exercise 1 (Principles, Physiology and Types of Exercise)
Course Code: PHTH114
Units: 4 units (3 units lecture, 1 unit laboratory)
Hours: 5 hours (3 hours lecture, 2 hours laboratory)
Prerequisites: Anatomy 1, Physiology 1 and Anatomy 3

The course teaches the students on the principles and foundation of exercise, factors

affecting the performance of an exercise program, importance of a thorough evaluation and technique of writing a complete exercise prescription. The basic types of exercise such as range of motion, stretching, strengthening, joint mobilization and postural exercise in different regions of the body and their corresponding techniques are discussed and practiced.

Therapeutic Exercise 2

Title of Subject: Therapeutic Exercise 1 (Exercises for Specific Conditions)
Course Code: PPTH115
Units: 4 units (2 units lecture, 2 units laboratory)
Hours: 6 hours (2 hours lecture, 4 hours laboratory)
Prerequisite: Therapeutic Exercise 1

Sequential development of various exercise programs for specific diseases entities such as arthritis, diabetes mellitus, cardiopulmonary disorder, peripheral vascular disease, obstetrics, amputation, orthopedic conditions (fracture, arthroplasty, soft tissue injuries, scoliosis) and various neurologic conditions including stroke, spinal cord injuries, traumatic brain injuries, peripheral nerve injuries, poliomyelitis, multiple sclerosis and myopathies. Includes hands-on laboratory sessions with the goal of developing basic skills on prescribing and carrying out these exercises. Students are also trained to develop and write out a home exercise program for specific cases.

Therapeutic Exercise 3

Title of Subject: Therapeutic Exercise 3 (Advanced Therapeutic Exercise)
Course Code: PPTH116
Units: 4 units (2 units lecture, 2 units laboratory)
Hours: 6 hours (2 hours lecture, 4 hours laboratory)
Prerequisite: Therapeutic Exercise 2

A course dealing with the principles and techniques of specialized exercise regimens used in the management of various neurological conditions with emphasis on exercise programs for Cerebrovascular Disease, Cerebral Palsy, Spinal Cord Injury and Parkinson's Disease. These exercise regimens include Neurodevelopmental Techniques (NDTs) such as Proprioceptive Neuromuscular Facilitation (PNF), Roods/Sensory Elements, Bobath, Brunnstrom, and Coordination exercises. It also includes a review of neuroanatomy and neurophysiology as applied to each therapeutic exercise. Hands-on laboratory sessions enable students to develop the necessary skills and attitude in treating adults and children with central nervous system disorders.

Seminar 1

Title of Subject: Seminar 1: Clinical Correlations and Team Approach
Course Code: PPTH204
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisites: All Physical Therapy and Medical Subjects

Clinical conferences on selected medical, surgical, and pediatric conditions with special emphasis on their comprehensive assessment and management from the Physical Therapy standpoint. Evidence-based learning is also incorporated through the integration

and discussion of assessment tools' effectiveness as well as the validity and reliability of managements or treatment protocols in certain medical cases. The role of other members of the rehabilitation team will also be discussed.

Seminar 2

Title of Subject: Seminar 2: Clinical Correlations and Team Approach
Course Code: PTH205
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisites: All Physical Therapy and Medical Subjects

Clinical conferences on selected neurological conditions such as stroke, Traumatic Brain Injury, Spine Cord Injury, Cerebral Palsy, Guillain Barre Syndrome, poliomyelitis, MS, PNI, Parkinsons, etc. with special emphasis on their comprehensive management from the physical therapy standpoint. It also includes a review on the proper ways of history taking, documentation and physical examination. Evidence-based learning is also incorporated through the integration and discussion of assessment tools' effectiveness as well as the validity and reliability of management or treatment protocols in certain medical cases. The role of other members of the rehabilitation team will also be discussed.

Seminar 3

Title of Subject: Seminar 3: Clinical Correlations and Team Approach
Course Code: PTH206
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisites: All Physical Therapy and Medical Subjects

Clinical conferences on selected orthopedic conditions such as fractures, dislocation, amputation arthroplasty, ligaments, low back pain injury, etc. with special emphasis on their comprehensive management from the physical therapy standpoint. It also includes a review on the proper ways of history taking, documentation and physical examination. Evidence-based learning is also incorporated through the integration and discussion of assessment tools' effectiveness as well as the validity and reliability of managements or treatment protocols in certain medical cases. The role of other members of the rehabilitation team will also be discussed.

Seminar 4

Title of Subject: Seminar 4: Clinical Updates in Physical Therapy Assessment and Treatment
Course Code: PTH 303
Units: 10 units lecture
Hours: 10 hours lecture
Prerequisites: All Physical Therapy and Medical Subjects

This course is offered to students and PT professionals. It focuses on the current trends in Physical Therapy and the Rehabilitation Sciences. It aims to keep the Filipino Therapist updated with changes in PT practice internationally. In so doing, our students and graduates become globally competitive as PT professionals academically and clinically. Speakers for this course are local and foreign specialists in the fields of Physical Therapy

and Rehabilitation Sciences.

Evidence-based Practice In Physical Therapy 1

Title of Subject: Evidence-Based PT Practice 1
Course Code: PHTH003
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisite: Health Informatics 2

The course focuses on the use of computers for evidence-based practice using journal articles and other references to provide updates on PT evaluation and treatment strategies. More importantly, they will intensively explore the World Wide Web for current practice guidelines, outcome measures, clinical prediction rules and other available evidence in preparation for case conferences in Seminar 1, Seminar 2, and Seminar 3. Students shall be tasked to conduct computer-based literature search to gather the best available evidence for assigned clinical problems. Students will also use the web to join online forums and for information on international PT associations and other sites relevant to their profession.

Evidence-based Practice in Physical Therapy 2

Title of Subject: Evidence-Based PT Practice 2
Course Code: PHTH004
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisite: Evidence-Based Practice in Physical Therapy 1

This course is an extension of Evidence-Based PT Practice 1. The students shall extensively utilize the World Wide Web to search for journal articles and other references to provide evidence and augment the students' knowledge on the topics discussed under Seminar 4.

Organization and Administration

Title of Subject: Organization and Administration
Course Code: PHTH117
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisite: none

Direction and management of rehabilitation/physical therapy units in hospitals, community centers, schools for handicapped, individuals and public health agencies. Includes personnel selection, staff education, supervision, interdepartmental relationships, development and use of resources and program planning, budgeting, personnel management, marketing, and delivery of quality care as applied to new and exciting physical therapy services.

Ethics

Title of Subject: Ethics in Physical Therapy
Course Code: PHTH110
Units: 3 units lecture

Hours: 3 hours lecture
Prerequisite: none

The course introduces the overall concept and principles of rehabilitation medicine and physical therapy. It discusses the International Classification of Impairment, Disability and Handicap (ICIDH) to widen their perspective on the physical rehabilitation setting. The universal principles of Bioethics are discussed to help the student in understanding the importance and application of these principles in the practice of Physical Therapy both locally and abroad. These enable the physical therapy students to familiarize themselves with the process of ethical reasoning, systematic way of thinking about issues that have been raised with the goal in mind that the students as future physical therapists will be at position to arrive at an ethical decision after considering the scientific, moral, legal and ethical aspects of the profession. Focus is given on the concepts of social science that are fundamental to the practice and provision of holistic physiotherapy and health care. Importance of positive and supportive interaction between client and therapist during the course of assessment of needs, provision of physiotherapy and facilitation of self-help is emphasized. In this course, students are being prepared for their role as therapist, teacher, health educator, counselor and health care team member. Students are encouraged to consider the relevance of theories relating to health and illness behaviors in the context of individual client problems. Biopsychosocial issues relevant to patient and physical therapy relationship and are pertinent to the management of different client groups in physiotherapy practice are also discussed in this course. Verbal and non-verbal approaches to patient communication critical to effective patient handling are also tackled.

Research 1

Title of Subject: Research Methodology: Preparatory to Thesis Writing
Course Code: PHTH300
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: Biostatistics (MATH 122)

The course offers a basic learning experience on the principles of statistical analysis, measures for central tendencies dispersion research design & methodology, research protocol writing, types of researches methods of sample gathering and critique of clinical researches. The course offers to reviews of the principles of research and biostatistics learned in the second year, applied to Physical Therapy. Research articles from PT journals are presented, analyzed and critized. Likewise, the students will be required to present PT research problems and complete and submit a research proposal.

Research 2

Title of Subject: Research Application and Thesis Writing
Course Code: PHTH304
Units: 6 units lecture
Hours: 6 hours lecture
Prerequisite: PHTH 300

This course requires the students to seek relevant topics in physical therapy practice and conduct related research on such. Students are expected to apply the knowledge

they have learned in Research Methodology in answering the general and specific objectives they want to scientifically meet. Their skills in data gathering, solving problems, interpreting and analyzing results, giving of conclusion and recommendations will be tested through the completion of a formal research paper subjected for oral defense to assigned PT faculties / Psychiatrists and research experts.

Medical courses

Anatomy 1

Title of Subject:	Human Anatomy (Histology, Embryology, Gross Anatomy of Head and Face, Limbs and Back)
Course Code:	PHTH101
Units:	6 units (6 units lecture, 1 units laboratory)
Hours:	7 hours (5 hours lecture, 2 hours laboratory)
Prerequisite:	Human Anatomy and Physiology (PHTH100)

The course is designed to provide basic learning experience in human histology, and gross anatomy of the human body with emphasis on the study of the face and neck, back and spine, and most especially the upper and lower extremities. Practical correlation of the subject matter is rendered during laboratory sessions through cadaver dissection and using of anatomic models. Emphasis is placed on muscle attachments, nerve supply and action of muscles.

Anatomy 2

Title of Subject:	Human Anatomy (Internal Organs and Neuroanatomy)
Course Code:	PHTH102
Units:	5 units (4 units lecture, 1 unit laboratory)
Hours:	6 hours (4 hours lecture, 2 hours laboratory)
Prerequisite:	Human Anatomy and Physiology (PHTH100)

The course provides a continuum in the study of gross human anatomy. It focuses on the study of human brain, the spinal cord and the regional anatomy of the digestive, urinary, respiratory, endocrine, cardiovascular, circulatory and reproductive systems. Practical correlation of the subject matter is rendered during laboratory sessions through actual dissection of internal organs and through the use of anatomic models.

Anatomy 3

Title of Subject:	Human Anatomy (Kinesiology and Biomechanics)
Course Code:	PHTH103
Units:	5 units lecture
Hours:	5 hours lecture
Prerequisite:	Anatomy 1 and Physiology 1

A study of the biomechanics, physiology, and anatomy of bodily motions and how they applied to individuals with emphasis on the application of mechanical concepts including velocity, acceleration, force, displacement and torque. Kinesiologic and biomechanical principles of the major regions of the body from head to foot and how they apply to bodily functioning are thoroughly discussed.

Physiology 1

Title of Subject: Physiology 1 (General Physiology and Neuroanatomy)
Course Code: PTH104
Units: 4 units (3 units lecture, 1 unit laboratory)
Hours: 5 hours (3 hours lecture, 2 units laboratory)
Prerequisite: Anatomy 1

The course provides an introduction to cellular physiology concerned with those properties that characterize all living cells. A thorough discussion is made on special cell types such as neurons and muscle fibers with emphasis on neuromuscular transmission and neurophysiology. Lectures are supplemented by demonstrations and laboratory sessions.

Physiology 2

Title of Subject: Physiology 2 (Organ System Physiology)
Course Code: PTH105
Units: 4 units (3 units lecture, 1 unit laboratory)
Hours: 5 hours (3 hours lecture, 2 units laboratory)
Prerequisite: Anatomy 2

The course follows the format of Physiology 1. The physiology of the different organ systems with emphasis on cardiovascular and pulmonary system, circulatory system, neural and endocrine homeostatic mechanism, and integration of metabolism. Topics covered include cardiovascular and respiratory responses to acute and prolonged exercise, effects of exercise training in both young and old, individual thermoregulation during exercise, the relationship of physical activity to health (coronary heart disease, osteoporosis, high blood pressure and others), and physiology of the digestive, urinary and reproductive systems. Laboratory experiences include maximal treadmill and cycle ergometer testing, blood type testing and pulmonary function testing. Laboratory experiences include maximal treadmill and cycle ergometer testing, blood type testing and pulmonary function testing. Focus of this course is also given to the critical analysis of how the nervous system produces functional movement and compensates for dysfunction of central motor centers. Neurophysiological basis of pain as related to mechanisms in pain reduction is also a focus of this course.

Medical and Surgical Foundation 1

Title of Subject: Medical and Surgical Foundation: General Geriatric and Pediatric Medical Conditions
Course Code: PTH201
Units: 5 units lecture
Hours: 5 hours lecture
Prerequisites: All previous medical subjects

The course is handled by psychiatrist/rehabilitation medicine specialist through

lectures on the definition, classification, epidemiology, natural history, clinical manifestation, evaluation, complication, medical and surgical rehabilitation and PT management and prognosis of medical impairment with emphasis on rheumatology, cardiac disease, vascular disease, pulmonary disease, malignancy, genetic abnormalities, endocrine deficiencies, etc. commonly seen in practice of Physical Therapy. A discussion of their consequent disabilities are likewise presented and discussed. Specific topics include immobilization syndrome, pain rehabilitation, arthritis and connective tissue diseases, cancer, hypertension, cardiac rehabilitation, pulmonary rehabilitation, leprosy, geriatric rehabilitation, AIDS and hemophilia. Evidence-based learning is also incorporated through the integration and discussion of assessment tools' effectiveness as well as the validity and reliability of managements or treatment protocols in certain medical cases.

Medical and Surgical Foundation 2

Title of Subject: Medical and Surgical Foundation: Neurology and Pediatric Conditions
Course Code: PTH202
Units: 4 units lecture
Hours: 4 hours lecture
Prerequisites: All previous medical subjects and MES 2

The course is handled by physiatrist/rehabilitation specialist through lectures on the definition, classification, epidemiology, natural history, clinical manifestation, evaluation, complications, medical/surgical/rehabilitation/PT management and prognosis of neurologic and neurosurgical impairments of all ages including diseases of the nervous system, central and peripheral diseases of the muscles nerves, and myoneural junction. Specific topics include: neurological condition, rehabilitation of the neurologic patient, stroke and aneurysm, infection of the brain, head injury, brain tumor, seizures, toxins and metabolism, cerebral palsy, pediatric rehabilitation, movement disorder and degenerative diseases of the brain, demyelinating diseases, spinal cord injury, motor neuron diseases, spinal muscular atrophy, neuromuscular disorder, myopathies junction, bell's palsy, peripheral nerve injury. Evidence-based learning is also incorporated through the integration and discussion of assessment tools' effectiveness as well as the validity and reliability of managements or treatment protocols in certain medical cases. This course incorporates the principles of theory and practice in the examination and management of clients with neurological problems within the context of clinical decision making and problem solving. In this course, students will gain greater understanding of selected topics involved in physical therapy for neurological disorders related to the theoretical rationale for treatment principles.

Medical and Surgical Foundation 3

Title of Subject: Medical and Surgical Foundation: General Surgical, Radiology, Orthopedic and Miscellaneous Conditions)
Course Code: PTH203
Units: 5 units lecture
Hours: 5 hours lecture
Prerequisites: All previous medical subjects, MES 2 and MES 3

Includes surgical conditions that lead to transient or permanent disability and its sequelae. Includes topics on bone growth, bone healing process, stages of bone maturity,

radiological changes and correlation of various disease processes. It includes specific orthopedic conditions such as tumor, amputation, congenital defects and abnormalities, fractures and infections, prosthetic replacements of hip, knee, interphalangeal joints, etc. It also includes pressure sore, burns, wound healing and wound care. Evidence-based learning is also incorporated through the integration and discussion of assessment tools' effectiveness as well as the validity and reliability of managements or treatment protocols in certain medical cases.

Human Growth and Development

Title of Subject: Human Growth and Development
Course Code: PTH106
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: none

The course presents the developmental changes that a normal human being undergoes from conception to senescence. It gives emphasis on physical, neurodevelopmental, cognitive and psychosocial development at the different stages of life. It exposes the students to methods of approaching and evaluating patients of various developmental stages.

Pathology/Microbiology

Title of Subject: Pathology/Microbiology (General Pathology and Microbiology)
Course Code: PTH107
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisite: All previous medical subjects

The subject provides a background on general and systemic pathology. It includes discussions on cellular adaptation, injury, aging and death, cell growth and tissue repair, genetic disorders, hemodynamic disorders, mechanism of self defense including immunity, inflammatory response, and neoplasia. The basic pathological findings in the different systems like neurology, cardiovascular, pulmonary and musculoskeletal dysfunction are likewise studied.

Psychiatry

Title of Subject: Psychiatry (Psychological Reaction to Disability)
Course Code: PTH108
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: All previous medical subjects

An introduction to basic psychiatry utilizing the biopsychosocial approach to the diagnosis and management of common psychiatric disorders and behavioral problems in medical, surgical, and rehabilitative patients. This includes emotional reactions to stress, illness, and disability, coping mechanisms and personality factors and how they impact in the management of patients, their families and caregivers as well.

Pharmacology

Title of Subject: Pharmacology in Physical Therapy
Course Code: PPTH109
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisite: All previous medical subjects

The course provides background knowledge on the basic principles on how the body handles the drug as well as the effects of the body functions in order to observe precautions and do necessary adjustments to each individual patient's need when applying PT interventions.

Orthotics and Prosthetics

Title of Subject: Orthotics and Prosthetics
Course Code: PPTH118
Units: 4 units (3 units lecture, 1 unit laboratory)
Hours: 5 hours (3 hours lecture, 2 hours laboratory)
Prerequisite: Anatomy 3

The course deals with the study of the principles of splinting, casting, bandaging, and taping. Includes the indications, contraindications, prescriptions, measurements, fitting and check-out of lower extremities and spinal braces, orthopedic shoes, upper and lower extremity prosthetic devices and wheelchair. Thorough discussion, correct measurement, prescription and use of the various assistive devices such as parallel bars, walker, crutches and cane.

Clinical courses

Introduction to Clinics (ITCT)

Title of Subject: Introduction to Clinical Training
Course Code: PPTH301
Units: 4 units laboratory
Hours: 8 hours laboratory
Prerequisite: All physical therapy and medical subjects

This course referred to as pre-internship program serves to shape the senior PT students for clinical internship. There is review and integration of the principles of patient evaluation and management through simulated and actual patient exposure. It also introduces students to the philosophy, history and procedures in community based rehabilitation. The basic information needed for the clinical practice is covered in this course. Students are given the opportunity to administer the knowledge and skills they have acquired in the academic setting; to practice problem solving approach in treating patients, thus justifying the assessment and treatment in the methods chosen; to formulate clinical learning objectives that will enhance the reflective practice; to acquire clinical skills which may not have been addressed in the academic setting; to experience the application of institutional policies and procedures; to build professional attitudes and behavior apt for the practice of the profession which includes written and verbal communication skills with clinical personnel and patients.

Clinical Internship Rotation

Title of Subject: Clinical Rotation and Community Rotation
Course Code: PHTH302
Units: 34 units lecture
Prerequisites: All physical therapy and medical subjects and ITCT

The Clinical Internship Program has a total of ten (10) months (five days a week) clinical as well as community based rehabilitation set-up. Students devote nine (8) months to the practice of his profession under the guidance of clinical educators by rotating in different hospitals and rehabilitation clinics located in Metro Manila as well as provincial areas. These hospitals and clinics offers training in neurologic, cardiovascular, pulmonary, orthopedic, pediatrics, geriatrics, sports medicine, wound care and other general and medical condition. The other two months are devoted in Community-Oriented Rehabilitation Program which is an application of the community based rehabilitation approach. The students will be exposed to serve communities and barangays where they will train and educate the people regarding the principles of assessment and treatment in physical therapy with regards to different medical conditions. It focuses on developing and implementing formal, structured and intensive education and training programs on basic preventive and therapeutic practices in Physical and Rehabilitation Medicine. This will be offered to health workers and users at the primary, secondary and tertiary levels of health care.

Academic Rotation

Title of Subject: Clinical Correlation Academic Rotation
Course Code: PHTH303
Units: 6 units
Prerequisites: All physical therapy and medical subjects and ITCT

This course serves to review the students for their board examinations. Student's theoretical and practical skills are enhanced through mock boards and practical examinations. Case studies, journal critiquing, review of researches and evidence-based learning are encountered to promote the integration of theories and practices in developing treatment plans and protocols. Students also engage in case conferences and oral revalida to boost their skills in justifying physical therapy assessment techniques and management.

LANGUAGES

Intensive English

Title of Subject: Intensive English
Course Code: ENG100p
Units:
Prerequisite: None

This course provides you with clear understanding of the English grammar to enable you to express intelligibly your ideas reflective of the mutual relationship between the rules and the functions of the English language. It also provides various real life communicative activities to help you establish better understanding of the study English grammar and to give you more opportunities to practice the target language.

This course also presents skill building exercises designed to improve your confidence in applying language rules appropriate to a specific context and to tighten your awareness of the social meaning of the English language.

English 1

Title of Subject: Communication, Arts, and Skills 1 (Basic Grammar and Composition)
Course Code: ENGL101p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

Provides experience to concretize and strengthen the basic learning as well as actualize and direct communicative skills for further academic excellence. Focuses on the development of student's communicative competence through a wide variety of functional reading and writing experiences, which help them become effective learners in this course, and in other fields of study. It includes learning effective study skills, building the vocabulary, acquiring sentence sense and developing sentence effectiveness applicable to the various communicative functions of language.

English 2

Title of Subject: Speech and Oral Communication
Course Code: ENG103p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: ENGL 101p

Focuses on the nature, principles, techniques and pragmatic application of oral communication. The course makes use of audiovisual aids and other materials which are useful in the student's field of specialization. It is designed to develop the students' ability in the art of effective speaking with special emphasis on voice improvement, stress and intonation, the critical vowel and consonant sounds which are critical problems of the

Filipino communicators in English. It also touches on enhancement of students' self-confidence in speaking before greater audience which they will actually experience in the field.

English 3

Title of Subject: Philippine Literature
Course Code: LITT101p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

It acquaints the students with the various literary works written by Filipino authors in English and Filipino. Study of literary forms or genres as exemplified by selected literary text from various regions of the Philippines written at different periods in Philippine literary history.

English 4

Title of Subject: World Literature
Course Code: LITT102p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: LITT101p

A survey of the ancient, medieval, and modern literature of the most important countries of the world. It focuses on varied literary forms and the works of representative writers of the different periods.

Filipino 1

Title of Subject: Komunikasyon sa Akademikong Filipino
Course Code: FILI101
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

Ang Filipino 1 ay isang metalinggwistik na pag-aaral ng wikang Filipino sa akademikong larangan. Sa lapit multidisiplinaryo at paraang interaktibo, inaasahang matutukoy at matatalakay and mga pangunahing kaalaman sa wikang ito. Malilinigang ditto and mga kasanayan sa paggamit ng wikang Filipino tungo sa lalong mataas na komunikasyon at sa kritikal na pagdidiskurso.

Filipino 2

Title of Subject: Pagbasa at Pagsulat Tungo sa Pananaliksik
Course Code: FILI 102
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: FILI 101

Ang Filipino 2 ay higit na pagpapalawak ng kaalaman at lalo pang pagpapataas ng antas ng kasanayan sa kritikal na pagbasa at lohikal na pagsulat tungo sa

pagsasagawa ng pananaliksik.

Filipino 3

Title of Subject: Masining na Pagpapahayag
Course Code: FILI 10_
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: FILI 102

Ang Filipino 3 ay pag-aaral ng mga prinsipyo at proseso ng masining na pagpapahayag sa Filipino. Nakatuon ito sa malayang pagtuklas at pagpapakita ng kakayahan at kahusayan sa pagdidiskursong pasulat at pasalita tungkol sa mga paksang pangkomunidad, pambansa at pandaigdig

NATURAL, MATHEMATICS & INFORMATION TECHNOLOGY

Math 1

Title of Subject: College Algebra
Course Code: MATH111p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

This is a basic course in Algebra which deals with the real number system, algebraic expressions and operations, radicals and rational exponents, equations and inequalities, systems of linear equations in two or more variables, quadratics, functions and relations.

Math 2

Title of Subject: Trigonometry
Course Code: MATH112p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

It deals with angles and their measurement, six trigonometric functions, trigonometric identities, solutions of right and oblique triangles, logarithmic and exponential functions.

Math 3

Title of Subject: Biostatistics
Course Code: MATH122p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: MATH111p and MATH112p

This course deals with basic statistical concepts, frequency table and distributions, sampling, central tendencies and locations, tests of significance, regression and correlation, introduction to analysis of variance. It also includes principles and methods in the collection, organization, presentation, analysis and interpretation of qualitative and quantitative data as applied to research.

Physics 1

Title of Subject: General Physics: Mechanics and Energy
Course Code: PHYS110p
Units: 5 units (3 units lecture, 2 units laboratory)
Hours: 9 hours (3 hours lecture, 6 hours laboratory)
Prerequisite: MATH 112p

The course deals with the introduction to some basic principles, law, mechanics of classical physics namely: mechanics, energy, work and power. The concept in mechanics includes translational and curvilinear motion, effects of forces on motion, and transformation of energy.

Physics 2

Title of Subject: Applied Physics
Course Code: PHYS107p
Units: 2 units (2 units lecture, 1 units laboratory)
Hours: 5 hours (2 hours lecture, 3 hours laboratory)
Prerequisites: MATH111p, MATH112p, and PHYS 110p

It also includes discussion about heat, electricity and magnetism. The mechanism and thermal properties of matter, waves, electric current, electrostatics, mirror, sounds and optics. The discussion emphasizes on those aspects that are important to biological applications.

Chemistry 1

Title of Subject: General and Inorganic Chemistry
Course Code: CHEM 110p
Units: 5 units (3 units lecture, 2 unit laboratory)
Hours: 9 hours (3 hours lecture, 6 hours laboratory)
Prerequisite/s: MATH 111p

A course on the fundamental principles of chemistry, the basic molecular and atomic structure of matter, and chemical equations and equilibrium. It includes an investigation of the composition of matter, atomic weights and periodic tables, atomic structure, quantum level, atom bonding and oxidation number, the state of matter, determination of molecular weights and atomic number the occurrence, preparation, properties, identification, and uses of common elements and their compounds.

Chemistry 2

Title of Subject: Organic Chemistry
Course Code: CHEM 111p
Units: 5 units (3 units lecture, 2 units laboratory)
Hours: 9 hours (3 hours lecture, 6 hours laboratory)
Prerequisites: MATH 111p, MATH 112p, and CHEM 110p

A study of organic compounds, their physical and chemical properties, their reaction mechanism and their application to carbohydrates, protein, fats and nucleic acids in preparation for biochemistry. This course studies on the impact of Chemistry on man and

environment. The relevance of chemistry to everyday and current issues that lend themselves to discussion from the Chemist's viewpoint. A brief history of chemistry, atomic theory, chemical bonding, chemicals in food and agriculture, plastics, cosmetics, household chemicals, medicinal use of chemicals, drug and drug abuse, chemicals as poisons, pollution and consumer products.

INFORMATION TECHNOLOGY

Computer

Title of Subject: Basic Computer Concepts and Operation
Course Code: COMP101p
Units: 3 units (2 units lecture, 1 unit laboratory)
Hours: 5 hours lecture (2 hours lecture, 3 hours laboratory)
Prerequisite: None

This course introduces the students to the basic concepts and operation of the computer. The first part of the course includes an introduction to computer programming which covers the computer number system, flow charting and the definition of commonly used computer terms. This is followed by a description of the computer hardware, its terminals and connections. The student is subsequently trained to properly operate the computer and performs very basic steps in using computer applications (software).

Health Informatics 1

Title of Subject: HI1: Introduction to Health Informatics
Course Code: PTH001
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisite: None

In this course, the student is introduced to the potential uses of computer technology in medical education and practice, particularly the internet, electronic library, electronic mail, statistical programs and packages, Word processing and graphic software. The course also covers the use of Microsoft Windows and its built-in applications in documentation and administration particularly electronic filing and paperless patient records.

Health Informatics2

Title of Subject: HI2: Applications in Research
Course Code: PTH002
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisite: Health Informatics 1

This course intensively trains BSPT students to maximize the use of computers for research purposes. As the student learns the basic steps in research, they will begin developing their thesis using the computer. Emphasis will be given on its uses in gathering an extensive and updated review of literature and for statistical analysis. Students will also be challenged to use the computer in developing forms and clinical data sheets.

HUMANITIES & SOCIAL SCIENCES

Logic

Title of Subject: Logic
Course Code: PHLO 101p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

Logic as a philosophical science of correct reasoning, centers at developing the mind of the students to think creatively. The programmatic value of learning how to apprehend, judge and reason out are the orderly strategic processes. This academic discipline aims to arrive at a philosophical truth. It includes a systematic study of the definition and division of concepts for the formulation of judgement, immediate and mediate influence and deductive and inductive reasoning.

Philosophy of Man

Title of Subject: Pilosopiya ng Tao
Course Code: PHLO103p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

Ang Pilosopiya ng Tao ay isang pag-aaral at pagsusuri sa kalikasan ng tao bilang persona at bilang isang taong nabubuhay sa daigdig. Tinatalakay dito ang mga mahahalagang dimensiyon ng tao tulad ng buhay sa katawan, kalayaan, kaalaman, pag-ibig, kamatayan, relasyon sa Maykapal at iba pa.

General Psychology

Title of Subject: General Psychology
Course Code: BESC101p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

A course aimed at giving students an understanding of the contemporary approaches to the analysis and treatment of complex human behavior. It focuses on human beings as they act and interact with their environment; it includes such topics as the nature and functions of the organism, perception, learning memory, intelligence, motivation, personality and social psychology

Sociology-Anthropology with HIV

Title of Subject: Sociology-Anthropology with HIV
Course Code: B ESC103p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

An introduction to the basic concepts in sociology and anthropology, stressing mans, interrelationship with other human beings and with his environment. Basic to the course is

the study of culture and social change. It also touches on current national developmental issues, such as population and human ecology.

Philippine History, Government, and Constitution

Title of Subject: Kasaysayan at Pamahalaan ng Pilipinas
Course Code: SOSC100p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

An introductory course on the history and culture of the Filipino people. It combines the chronological and topical approach. A study of the New Philippine Constitution, its provision and the government established under it. The course deals with the study of the provisions of the 1987 Constitution plus the application of cases related to the subject matter. It also deals with the study of the basic structure of the government of the Philippines.

Rizal

Title of Subject: Kursong Rizal
Course Code: SOSC103p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

Ang kursong ito ay sumasaklaw sa naging buhay, sinulat, at kaisipan ng bayani. Binibigyang diin ang diwa ng buhay at gawain ni Rizal kaugnay sa kalagayang umiral noon sa Pilipinas at sa daigdig lalo na sa Europa, nang sa gayo'y hindi lamang maakit bagkus mahamon ang mga kabataang mag-aaral sa kasalukuyan sa mga prinsipyo at ideyalismong ipinaglaban at sinikap bigyan katuparan ni Jose Rizal.

Health Economics with Taxation and Land Reform

Title of Subject: Health Economics with Taxation and Land Reform
Course Code: AHSE104p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

The course focuses on concepts, principles, and techniques of resource utilization for the production of services in the health care delivery system. This course also offers fundamental concepts/ideas about economics in the Philippines and its relevance to local economy. A study of the rationale of agrarian reform program and taxation and a discussion on the specific programs and policies of the past and present Philippine government as these relate to the pursuance of developmental efforts.

PHYSICAL EDUCATION & NSTP COURSES

Physical Education 1

Title of Subject: Physical Fitness /Dance Aerobics /Philippine Games
Course Code: PHED101p

Units: 2 units lecture
Hours: 2 hours lecture
Prerequisite: None

Basic movement skills for body mechanics, self-testing skills, basic motor skills, perceptual and manipulate skills and other movement activities for the improvement and maintenance of health and physical fitness.

Physical Education 2

Title of Subject: Individual / Dual Games
Course Code: PHED102p / PHED103p
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisite: PHED101p

The development of fundamental skills and the mastery of rules and techniques in playing individual / dual sports.

Physical Education 3

Title of Subject: Swimming
Course Code: PHED202P
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisite: PHED102p / PHED103p

The fundamental skills in swimming including mastery of techniques especially the different strokes.

Physical Education 4

Title of Subject: Team Sports
Course Code: PHED104p
Units: 2 units lecture
Hours: 2 hours lecture
Prerequisite: PHED202p

The development of fundamental skills and the mastery of rules and techniques in playing group sports.

National Service Training Program

Title of Subjects: National Service Training Program 1 and 2
Course Code: NSTP 101p and NSTP 102p respectively
Units: 3 units each (total of 6 units)
Prerequisite: None

National Service Training program is a program aimed at enhancing civic consciousness and defense preparedness in the youth by developing the ethics of service and patriotism while undergoing training in any of its three program components which are 1) The Reserve Officers' Training Corps (ROTC), 2) The Literacy Training Service, and 3) The Civic Welfare Training Service. Its various components are specially designed to

enhance the youth's active contribution to the general welfare.

INSTITUTIONAL REQUIREMENTS

Theology 1

Title of Subject: Foundations of Christian Faith
Course Code: REED141p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

This course familiarizes the students with the fundamentals of Christian faith rooted in the Scriptures. It traces the history of God's salvific action fully manifested in and through Jesus Christ. Particular emphasis is given on the Gospel accounts on the life, teaching and works of Jesus Christ.

Theology 2

Title of Subject: Discipleship in the Christian Community
Course Code: REED142p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: REED141p

This course offers a concise presentation of the beginning, growth and spread of the Church as a community of disciples animated and expressed in the celebration of the Sacraments. It also discusses the highlights of the teachings of Vatican II and the Second Plenary Council of the Philippines. The course intends to lead the students towards a more meaningful and active participation in the celebration of the sacraments and in the building up of the Christian community.

Theology 3

Title of Subject: Living Our Christian Commitment
Course Code: REED143p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisites: REED141p and REED142p

This course challenges the students to live their Christian commitment based on the Christian moral principles. Issues and concerns affecting the Filipino family as a domestic Church and as part of the global community shall also be highlighted.

Theology 4

Title of Subject: Spirituality of Social Transformation
Course Code: REED144p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisites: REED141p, REED142p and REED 143p

This course provides an understanding of the Church's role in making truth, charity,

justice and peace present in our society. Rooted on the Catholic Church's social doctrine, it offers an avenue towards the development of the Christian conviction in the pursuit of transformation starting from within the individual and eventually in the society as a whole.

HEALTH SCIENCES AND OTHER REQUIRED SCIENCES

Biological Science

Title of Subject: General Biology
Course Code: BIOL100p
Units: 3 units lecture
Hours: 3 hours lecture
Prerequisite: None

This course deals with the study on the levels of biological organization which includes the atoms, molecules, cells, tissues, organs, systems, individuals, population, communities, and ecosystems. It also includes basic discussions on the process of evolution, systems of classification, process of reproduction, principles of inheritance, and updates on DNA and biotechnology. The course will also integrate HIV/AIDS education.

This course will make you better appreciate God's architectural design of man and nature by having a deeper understanding on physiological, anatomical, sociological, evolutionary and ecological aspects of life. It will encourage you to formulate and test hypotheses and validate theories through experimentation arriving at a conclusion.

Zoology 1

Title of Subject: General Zoology
Course Code: BIOL121p
Units: 5 units (3 units lecture, 2 unit laboratory)
Hours: 9 hours (3 hours lecture, 6 hours laboratory)
Prerequisite: None

A study of the structure, function, and reproduction of animals. It includes the study of protoplasm, the physical basis of life, the organ system of the frog and other vertebrates, the endocrines, and the Mendelian laws of heredity.

Zoology 2

Title of Subject: Comparative Anatomy of Vertebrates
Course Code: BIOL123p
Units: 5 units (3 units lecture, 2 units laboratory)
Hours: 9 hours (3 hours lecture, 6 hours laboratory)
Prerequisite: BIOL121p

A comparative and phylogenetic study of vertebrate organ systems, their development, structures and functions.

Integrated Health Care

Course Code: AHSE107p
Units: 5 units (3 units lecture, 2 units laboratory)
Hours: 9 hours (3 hours lecture, 6 hours laboratory)

Prerequisite: None

This course deals with concepts and principles in the provision of basic care in terms of health promotion/maintenance and disease prevention at the individual and family level. Concepts and principles in the provision of basic health care in terms of health promotion/maintenance and disease prevention at the community level are also tackled. The course also aims to prepare graduates to become competent primary health care provider of the community. They will be taught the basic skills in identifying medical conditions, which will include signs and symptoms of common diseases, proper management in primary health care setting and proper referral of cases requiring special treatment. The course focuses on concepts, principles, and techniques of resource utilization for the production of services in the health care delivery system

Human Anatomy and Physiology

Title of Subject: Human Anatomy and Physiology
Course Code: PTH100p
Units: 5 units (3 units lecture, 2 unit laboratory)
Hours: 9 hours (3 hours lecture, 6 hours laboratory)
Prerequisite: BIOL 192p

This course aims to produce graduates with sufficient scientific knowledge and skills to serve as competent primary health care providers, at the most basic level in their community. This course includes the definition of anatomical terms, correlation of human biologic structure with normal physiologic function. Basic regulatory mechanisms which promote homeostasis, familiarization of some physiological parameters which serve as indicators for the organism's state of health, anatomic and physiologic bases of some common medical disorders, and recognition of signs and symptoms associated with serious medical conditions requiring expert medical attention.