



College of Occupational Therapy

B.S. OCCUPATIONAL THERAPY PROGRAM

(a 5-yr Bachelor of Science, WFOT-recognized Program)

COURSE DESCRIPTION

BASIC SCIENCE COURSES

COURSE CODE: ANA 100

COURSE TITLE: Musculo-Skeletal Anatomy

DESCRIPTION: A comprehensive study of the human musculo-skeletal system; of the gross structure of individual bones, ligaments and muscles; of form, placement, arrangement and attachment; and relations to movement and locomotion; as well as function of the whole.

COURSE CODE: ANA 112

COURSE TITLE: Systemic Anatomy

DESCRIPTION: Knowledge, skill and attitude in providing basic learning experience of human systemic anatomy with emphasis of the structure and functions of the different systems, models, diagrams and cadaver dissections are used for better understanding and assimilation of the subject.

COURSE CODE: ANA 101

COURSE TITLE: NeuroAnatomy

DESCRIPTION: A comprehensive survey of the structure of the human nervous system with emphasis on gross parts, organization, and correlation of this structure to function and to common neurologic disorder which a health allied student will often encounter in the clinics.

COURSE CODE: ANA 110

COURSE TITLE: Functional Anatomy (Kinesiology)

DESCRIPTION: Knowledge, skills and attitude with the study of the biomechanics, physiology and anatomy of bodily motions as related to activities of daily living and physical exertion in normal and abnormal individuals with special emphasis given to application of principles and techniques in the study of both upper and lower extremities.

COURSE CODE: PHY 200

COURSE TITLE: NeuroMuscular Physiology

DESCRIPTION: An introduction to cellular physiology and the properties that characterize all living cells. Emphasized are the topics on neurons and muscle cells, neurophysiology and muscle physiology, and physiology of neuromuscular transmission. Laboratory includes physical demonstration and elicitation of neuro- and muscular physiology and transmission.

COURSE CODE: PHY 210

COURSE TITLE: Systemic Physiology

DESCRIPTION: The course provides an introduction to: a.) cellular physiology concerned with those properties that characterize all living cells and those that are unique to special cell type such as neurons and muscle fibers: b.) systemic physiology in which the activity of the different tissues and organs subserve the various coordinated functions of the human body.

MEDICAL FOUNDATION COURSES

COURSE CODE: PAT 220

COURSE TITLE: General Pathology

DESCRIPTION: Deals with the basic concepts concerning disorder of cell/tissue and organ structure and functions and a thorough discussion of what can induce this changes, how this changes evolve to produce signs and symptoms and how they are be able to intensify this process.

COURSE CODE: MF 401

COURSE TITLE: Neurology

DESCRIPTION: Encompasses a review of the normal gross structure, organization and function of the human central and peripheral nervous system and abnormal sequelae in function resulting from a disease process, injury and/or impairment in structure. Also included are the common neurological condition pertinent to the rehabilitation profession; their etiology, pathophysiologic mechanisms, signs and symptoms, differential diagnosis, course of the disease and their medical interventions.

COURSE CODE: MF 400

COURSE TITLE: General Medical Conditions and Pediatrics

DESCRIPTION: The course covers the general medical and surgical conditions commonly encountered in the practice of physical and occupational therapists, specifically: genetics, embryology, obstetrics, pediatrics, pharmacology, immunology, infectious diseases, dermatology, cardiology, pulmonary, endocrinology, GIT, and nephrology. Discussions include etiology, pathophysiology, clinical manifestations, course, medical, surgical and rehabilitative management, and prognosis.

COURSE CODE: MF 402

COURSE TITLE: Orthopedics and Rheumatology

DESCRIPTION: A compendium on the common orthopedic and rheumatologic conditions managed by rehabilitation professionals and health care providers, both in pediatric and adults, with emphasis on the geriatric population. Didactics include recognition, differential diagnosis, assessment, pathophysiology and course dysfunctions and medical and rehabilitation principles of treatment and management.

COURSES in HUMAN DEVELOPMENT, THERAPEUTIC SKILLS

COURSE CODE: Human Development

COURSE TITLE: Human Development

DESCRIPTION: Knowledge skills and attitude in the transformational changes of the various chronological stages of human development throughout lifespan encompassing physical, cognitive, language, emotional, moral, social; and most particularly, developmental psychology – the theories governing, the behavioral capacities typical of different ages and how behavior changes with age.

COURSE CODE: OT 302

COURSE TITLE: Thera Skills 1

DESCRIPTION: Knowledge, attitude and skill in task analyses of daily occupations of the pediatric and adolescence population on performance skills, performance patterns, activity demands, context, and client factors-as these functions in health illness continuum; and clinical reasoning for use and compensatory strategies in non-performance. Also deals with the skills in the provision of age-appropriate and meaningful activities, therapeutic modalities, utilizing the teaching-learning process, while considering the safety of the client.

COURSE CODE: OT 303

COURSE TITLE: Thera Skills 2

DESCRIPTION: Knowledge, attitude and skill in task analyses of daily occupations of the adult and old population on performance skills, performance patterns, activity demands, context, and client factors, as these functions in health illness continuum; and clinical reasoning for use and compensatory strategies in non-performance. Also deals with the skills in the provision of age-appropriate and meaningful activities, therapeutic modalities, utilizing the teaching-learning process, while considering the safety of the client.

THEORIES of the PROFESSION

COURSE CODE: OT 100

COURSE TITLE: Introduction to Occupational Therapy and Rehabilitation

DESCRIPTION: This course is a general orientation to Rehabilitation, basic terminology used, theories and approaches, as member of the rehabilitation team and their roles in the various types of centers serving adults and children with physical disabilities.

COURSE CODE: OT 300

COURSE TITLE: OT Theories

DESCRIPTION: This course starts with an orientation to OT and rehabilitation, basic terminologies, theoretical principles, and approaches. This course is a general orientation to Rehabilitation, basic terminology used, theories and approaches, member of the rehabilitation team and their roles in the various types of centers serving adults and children with physical disabilities. Cognition, understanding and assimilation of the philosophy and core and essential theoretical, scientific and medical basis of occupational therapy and the professionals as a health care service provider and the rehabilitation team. Didactics include the occupational therapy standards and processes and the general treatment principles in psychosocial and physical dysfunctions with the various Frames of References and Approaches.

PSYCHOSOCIAL COURSES in OCCUPATIONAL THERAPY

COURSE CODE: OT 301

COURSE TITLE: Human Behavior

DESCRIPTION: Knowledge, skills and attitude in the study of normal human behavior: the structures, dynamics and development of personality, motivation, and interpersonal relationship. Likewise, normal and abnormal behaviors are taken into consideration in relation to various theories of personality and their relevance to occupational therapy intervention. Application of personality theories in OT practice are introduced through group dynamics, group process techniques; and in teaching-learning process.

COURSE CODE: MF 403

COURSE TITLE: Psychiatry

DESCRIPTION: An extensive course on human mental health, psychic and psychological development, mental processes, psychodynamics of personality and coping mechanism, across the various level of human development. Dealt with also are the diseases, the spectrum of mental illnesses, psychoses, mental and personality disorders, signs and symptoms; and medical principles of treatment and/or management. In addition, psychiatric emergencies, drug abuse and dependence and human sexuality and expressions are tackled.

COURSES in OT EVALUATION

COURSE CODE: OT 311

COURSE TITLE: OT Evaluation in Psychosocial Dysfunction

DESCRIPTION: The course is focused on evaluation procedure using standardized and non-standardized assessment tools commonly used in occupational therapy evaluation of psychosocial dysfunction, both in adult and pediatric setting, related to the frame of reference or approach used. It provides the student an in-depth knowledge, rationale and skills in the administration and interpretation of the assessment tool and correlation with the approach of frame of reference used. Laboratory activities include demonstrations, simulations and return demonstrations.

COURSE CODE: OT 312

COURSE TITLE: OT Evaluation in Physical Dysfunction

DESCRIPTION: The course is focused on evaluation procedure using standardized and non-standardized assessment tools commonly used in occupational therapy evaluation of physical dysfunction, both in adult and pediatric setting, related to the frame of reference or approach used. It provides the student an in-depth knowledge, rationale and skills in the administration and interpretation of the assessment tool and correlation with the approach of frame of reference used. Laboratory activities include demonstrations, simulations and return demonstrations.

COURSES in OT INTERVENTIONS

COURSE CODE: OT 411

COURSE TITLE: OT Management in Psychosocial Dysfunction

DESCRIPTION: The course focuses on the in-depth knowledge of the frame of reference and treatment approaches in occupational therapy interventions for individuals with psychosocial dysfunction in all life stages resulting from psychiatric condition. Also include assessment, goal setting, treatment planning, rationale, and management within a frame of reference or treatment approach. The laboratory includes simulations and demonstrations to develop skills in handling therapeutic activities in groups or individual basis or specific techniques and/or procedures in the implementation of the treatment intervention.

COURSE CODE: OT 412

COURSE TITLE: OT Management in Adult Physical Dysfunction

DESCRIPTION: An in-depth knowledge of the frames of reference and treatment approaches in occupational therapy interventions applied to adults with physical dysfunctions resulting from a medical, surgical, neurological and/or orthopedic conditions. It includes assessment, goal-setting, treatment planning, rationale and management within the frame of reference or treatment approach used.

COURSE CODE: OT 413

COURSE TITLE: OT Management in Pediatric Dysfunctions

DESCRIPTION: A comprehensive knowledge of the FORs and treatment approaches in OT interventions in the pediatric populations with physical dysfunctions. Includes assessment, goal-setting, treatment planning, rationale and management within the frame of reference or treatment approach used. The laboratory includes development of skills in child handling, work hardening principles and applications in pediatrics, provision of appropriate therapeutic play activities, implementation of specific treatment procedure and techniques.

COURSE CODE: **OT 404**

COURSE TITLE: Electrotherapy

DESCRIPTION: Introduces and provides the student a theoretical background of the physical concepts and physiological changes that underlie the use of Physical Agent Modalities; an appreciation of their use in physical dysfunction rehabilitation settings; and as they relate to a frame of reference. The laboratory includes demonstration of the basic skills in the application and administration of these modalities.

COURSE CODE: **OT 415**

COURSE TITLE: Orthotics and Prosthetics

DESCRIPTION: A study of the rationale, principles, understanding and applications of orthotics and prosthetics as occupational therapy intervention within the frame of reference or treatment approach used. The laboratory includes actual fabrication of the commonly applied upper and lower extremity splints utilizing the various splinting material, identification of other orthotic and prosthetic devices and simulations on their use.

COURSE CODE: **OT 414**

COURSE TITLE: OT Community Health and Rehabilitation

DESCRIPTION: Learning of the roles and functions of occupational therapy in community set-ups in home health program development and management. In health and wellness promotion, in disability prevention and rehabilitation intervention of persons with disability in all stages of life. Encompasses the principles and applications of community-based rehabilitation. Principally, includes a hands-on experience of home health and community-based rehabilitation diagnostics and assessment, program development, implementation and re-assessment.

COURSES in ETHICS and ADMINISTRATION

COURSE CODE: **OT 405**

COURSE TITLE: OT Ethics, Organization and Management

DESCRIPTION: Principles of developing, organizing, planning, directing, accounting, evaluating and re-evaluating occupational therapy delivery of services and as they may be applied in various settings. Principles of professional ethics in health care; ethical reasoning and discussion on ethical issues in the day-to-day practice and the delivery of occupational therapy services are covered. Articulation, as well, of the OT Code of Ethics (WFOT, AOTA, OTAP), together with their implementing rules and guidelines.

COURSES in SEMINARS

COURSE CODE: **Sem 510**

COURSE TITLE: Seminar 1

DESCRIPTION: Includes free-flowing, small group discussions of contributed cases concurrently encountered in the clinical training of settings where students are assigned to reinforce and refine the clinical reasoning and problem-based learning; a regular reinforcement and evaluation of knowledge pertinent to occupational therapy and an encouragement in attendance to seminars related to the practice of the profession; as well as audit of theoretical and clinical knowledge and applications of basic sciences, medical foundations and occupational therapy core courses.

SUBJECT CODE:

Sem 511

SUBJECT TITLE:

Seminar 2

COURSES in RESEARCH

SUBJECT CODE: **MATH 3**

SUBJECT TITLE: BioStatistics

DESCRIPTION: The course provides an introduction to selected important topics in biostatistical concepts and reasoning. It represents an introduction to the field and provides a survey of data and data types. Specific topics include tools for describing central tendency and variability in data; methods for performing inference on population means and proportions via sample data; statistical hypothesis testing and its application to group comparisons; issues of power and sample size in study designs; and random sample and other study types; with emphasis on interpretation and concepts.

COURSE CODE: **TW 500**

COURSE TITLE: Thesis Writing 1

DESCRIPTION: Commences with research project proposal that is relevant to the profession and responsive to the challenges in the delivery of occupational therapy services in the clinic or setting; and implementation and completion of the study. Paper is presented by an oral defense before a panel. The exercise provides the student the opportunity and experience of an in-depth scientific method of investigation and development skills in conducting research studies relevant to the profession.

SUBJECT CODE: **TW 501**

SUBJECT TITLE: Thesis Writing 2

LEVELS I, II FIELDWORK

COURSE CODE: **OT 421**

COURSE TITLE: Clinical Education 1 (Level I Fieldwork)

DESCRIPTION: Offers the student an initial experience, familiarization and grasp of the clinic or the hospital atmosphere. Under close supervision, the student observes for the first time the delivery of occupational therapy (in psychosocial and physical dysfunction settings) and actively participates in standards of occupational therapy process such as evaluation, assessment, goal-setting, treatment planning, treatment implementation, re-evaluation and discharge planning. The student learns the beginning skills of clinical reasoning, occupational therapy application, and documentation and case presentation.

COURSE CODE: **OT 422**

COURSE TITLE: Clinical Education 2 (Level I Fieldwork)

COURSE CODE: **OT 522**

COURSE TITLE: Clinical Education 3 (Level II Fieldwork)

DESCRIPTION: A total of 1600 clinic hours, CE 501 and CE 502 afford and require the student a clinical hands-on training in occupational therapy in both psychosocial and physical dysfunctions. Under the direct, close and regular supervision of a licensed occupational therapist, the student actively engages in the occupational therapy process with each and every patient/ client he/she is made to handle in institutional, outpatient, school and community setting; hence, honing his/her skills in the delivery of occupational therapy service.

COURSE CODE: **OT 523**

COURSE TITLE: Clinical Education 4 (Level II Fieldwork)

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