

1802447 Management and Leadership (3 credit hours)

This course includes management and leadership principles and concepts necessary to promote the student's ability to manage care and make appropriate decisions related to clients . It also covers concepts and principles necessary to facilitate student's growth to prepare them as future rehabilitation leaders able to affect quality of care and introduce change when necessary . The use of computers in rehabilitation programs is illustrated .

Course Description for Occupational Therapy

0501108 Physiology II (2 credit hours)

Prerequisite (0501107)

This course is designed to introduce the students to concepts of nerve and muscle, blood, endocrine, reproductive and renal systems. The course elaborates on the contribution of the above systems on the general well being of the human body.

0501109 Physiology laboratory (1 credit hours)

Prerequisite or concurrent (0501107)

The following laboratory sessions will be performed by or demonstrated to the students during this course: Nerve and muscle demonstrations : instruments and dissection, demonstration: simple muscle twitch, summation. tetanization and fatigue, effect of temperature on simple muscle twitch, red blood cells count, white blood cells count, differential leucocytic count, Hb, PVC, E.S.R., fragility and reticulocyte count, blood group, bleeding time, clotting time, ECG. introduction and limb leads, ECG. chest lead calculations, ECG. vector analysis, pulse, blood pressure heart sounds, and spirometry .

050210 Anatomy of extremities (3 credit hours)

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Prerequisite : (0304101)

This course will cover upper limbs lower limbs abdomen , pelvis and perineum . The lectures and practicum will emphasize on structures , blood supply , nerve supply of all structures , with special concentrations on functions of all parts . It will also cover the spinal cord structure and roots .

050310 Therapeutics : (1 credit
1 hours)
pre-requisite or concurrent : (0501108)

This course introduces the student to the application of pharmacological principles in the treatment of common medical and surgical problems including the indications , side effects and contraindications of medications . Emphasis will be on medications used in rehabilitation medicine such as diseases of muscles , joints and nervous system .

504207 Pathology: (1 credit
hour)

This course will cover cellular pathology acute and chronic inflammation, tissue repair, hemodynamic disorder, neoplasia, and infectious diseases. It will also give an overview of some of the pathological conditions of the system which are related to the students of the Rehabilitation Sciences.

050710 Surgery for Rehabilitation Students: (2 credit
3 hours)
pre-requisite : (0502108)

This course will cover the surgical principles as a treatment modality for some conditions . The concentration will be on surgical intervention for diseases commonly met in the field of rehabilitation medicine . This will include surgeries for brain and spine , orthopedics and trauma , burns and plastic surgeries , urology , and pediatric surgery .

050810 Internal Medicine For Rehabilitation Students (2 credit
2 hours)
pre-requisite : (0501107)

This course focuses on the underlying concepts and principles common to major health problems , alterations in cell function and growth , alterations in integrated body function and defenses , fluids and electrolytes . It covers different medical conditions with emphasis on the diseases which lead to disabilities such as neuromuscular , rheumatology , pulmonary and cardiac diseases .

**050810 Diagnostics : (2 credit
3 hours)**

Prerequisite or concurrent : (0508102)

The student is introduced to the principles of radiology including different modalities and reading x-ray films . It also includes other diagnostic tests such as laboratory test , ultrasound , MRI and CT scans used in the diagnosis and follow-up of treatment of cases that require rehabilitation .

**180120 Principles of Rehabilitation Medicine Credit hours
1 : 3h**

Prerequisite : (0507102)

This course introduces students to the basic principles of rehabilitation and team work. It focuses on the role of each member of the team and their relation to each other. The 1 credit hour laboratory will focus on the application of these basic principles

**1832202 Occupational Therapy Fundamentals (2 credit
hours)**

This course focuses on the basic skills demanded in the occupational therapy profession by reviewing the roles and the work of the occupational therapist as well as those of the other professionals in the rehabilitation team. It also introduces the basic psychological concepts related to the health profession and the principles of dealing with emergencies, both in the department and elsewhere

1802213 Psychiatry (3 credit hours)
Prerequisite: 0805230

This course introduces concepts related to a variety of psychiatric areas including the basic concepts and terminology used in psychiatry, a thorough mental status examination with a focus on detailed DSM IV symptomology in major categories of psychiatric conditions in addition to the basic issues in mental retardation, autism, and learning disabilities.

1802302 Occupational therapy approaches (3 credit hours)
Prerequisite or concurrent: (1832202)

The first concerns of this course are summary of medical and psychological models. This is followed by a selection of model theories for practice in OT including humanistic, developmental, behavioral, human occupation, sensory integration, psychoanalytic, object relation, occupational behavior, and adaptive skills enriched by comparisons and contrasts among different theoretical grounds.

1802317 Assessment of performance (3 credit hours)
Prerequist or Cocurrent : (1802302)

A major area of interest in this course is human development from a variety of perspectives including motor, play, sensory, and perceptual/cognitive. It also focuses on various assessment tools for the evaluation of performance in the areas of play, leisure, context, and psychosocial performance components. Furthermore, it reviews the major OT intervention techniques for the assessment of sensory, motor, and cognitive impairments

1832304 psychosocial skills in occupational therapy (3 credit hours)
Prerequisite :(1802213)

This course covers the theories of group dynamics in OT settings, practical application of groups in OT intervention and process, and therapeutic techniques such as problem solving and stress management.

1802305 Treatment Models (3 credit hours)

Prerequisite:1802302

This course covers the therapeutic media using “Material” approaches to therapy. These include a large variety ranging from music to painting and writing. It also covers material properties as well as techniques for working with them. This course concludes by a thorough review of therapeutic tools, equipment, and devices made, used, or adapted by the occupational therapist.

1802308 Principle Approaches used in Occupational Therapy (3 credit hours)

Prerequisite : (1802302)

This component will introduce the students to physical and psychosocial approaches used in occupational therapy. These approaches will include neurodevelopmental approaches (Rood, Bobath, PNF, Brunstrom....), the rehabilitative and the biomechanical approaches. The psychodynamic, behavioural, and the humanistic approaches. For each approach the following will be discussed: -a brief review of each approach -how function and dysfunction conceptualised - the client group that the model was developed for -the goals and the process of intervention -a case example showing how the model is applied

1802324 Applied Occupational Therapy for children (3 credit hours)
Prerequisite : (1802306)

Theoretical bases of OT management of neurological problems among children, particularly CPs forms a main part of this course. A major part is also devoted to practical methods and techniques employed to deal with child neurological problems. The intervention entails a variety of approaches such as the neurodevelopmental and neurophysiological ones.

1802327 Applied Occupational Therapy in adult neurology (3 credit hours)
Prerequisite: (0508102)

The major focus of this course is composed of the theoretical bases of OT management of neurological problems among adults and practical methods and techniques employed to deal with adult neurological problems.

1802335 Occupational Therapy -self (3 credit hours) Prerequisite : (1802302)

This course includes a review of the areas related to the various dimensions of "self", basic psychology for the study of one's and others' self in OT, a variety of tools for the examination of self, and techniques for the construction of self in OT.

1802325 Community and Vocational Rehabilitation (3 credit hour)

Prerequisite:(1832202 & 1802305)

This course aims to introduce the students to Community Based Rehabilitation as a strategy for community development . Students in this course discuss disability as human right issue , development , principles , and structure of CBR international and in Jordan . Students are also taught to recongnize the different models of CBR and to indentify the role of professionals of CBR . Additionally, This course introduces basic issues in prevocational and vocational rehabilitation by focusing on OT role in this field entitling job demand analysis, functional capacity evaluation, return to work, and job adaptation. It also introduces the basic elements of work simulation and ergonomics.

1802405 Hand Rehabilitation (3 credit hours)

Prerequisite:(1802306)

This course focuses on theoretical introduction to hand cases including tendon, nerve, and bone injuries, along with a thorough assessment of hand conditions. It then proceeds with a presentation of hand deformities, malformations, malalignments, and sensory loss. It also covers OT intervention in the mentioned areas.

1802451 Clinical Practice I (physical) (3 credit hours)

This clinical practice will be for 4 weeks attachment to clinical

setting. The student has to take responsibility of assessment, treatment planning of Neurological cases such as CVA, Head injury, spinal cord lesions.

1802452 Clinical Practice II (physical) (2 credit hours)

This clinical practice will be for 4 weeks attachment to clinical setting. The student has to take responsibility of assessment, treatment planning of orthopedic, hand injury, burns, RA, tendon injuries, peripheral nerve injuries.

1802453 Clinical Practice III (pediatrics) (2 credit hours)

This clinical practice will be for 4 weeks attachment to clinical setting. The student has to take responsibility of evaluation, assessment, treatment planning of CP, children with special needs, Autism and other congenital or acquired diseases affecting children

1802454 Clinical Practice IV (Psychosocial) (3 credit hours)

This clinical practice will be for 4 weeks attachment to clinical setting. The student has to take responsibility of evaluation, assessment, treatment planning of mental illness in adults or children including acute and chronic psychiatric conditions; in addition, drug addicts.

1802409 Applied Occupational Therapy in *Orthopaedics & Splinting* (3 credit hours) Prerequisite: (1802306)

This course presents theoretical explanations for child and adult orthopedic cases including burns, Rheumatoid Arthritis, muscular conditions and neuropathies. It also introduces techniques for the construction of various splints for the lower and the upper limbs. This course necessitates an introduction into biomechanical principles used in making orthotic.

1802417 Applied Occupational Therapy in Psychiatry (3 credit hours)

Prerequisite : (1802213)

This course discusses the main areas related to theoretical OT intervention in psychiatric settings, practical OT intervention in short and long-term psychiatry, as well as practical OT intervention in MR and learning disability cases.

1802424 Applied Occupational Therapy in Physical Dysfunction (3 credit hours)

Prerequisite : (1802327)

This course helps the OT student's to apply theoretical knowledge to treatment in the areas of neuromotor conditions and orthopedic cases. This is accomplished through clinical ongoing assessment, treatment planning and intervention under close supervision.

1802434 Strategies for Independent living (3 credit hours)

Prerequisite: (1802324)

This course covers the main areas related to the restoration of independence through a review of the skills required for the disabled to maintain or restore independence, and a review of skill adaptation for specific handicaps.

180320 Biomechanics : (3 credit hours)

pre-requisite : (0302103)

This subject will cover the theory of dynamics with particular application to human bodies . It also covers the active and passive mechanical behavior of the body tissues with specific applications of biomechanics of topics of interest to rehabilitation science specialties . The practicum will concentrate on development of observational skills and objective measurements of human

movements .

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**Group Work & Ethics :
hours)**

(3 credit

This course is an introduction to the process that occur in groups . It builds on skills learnt in communication and frames of refernce and basic sciences . They support the process of rehabilitation through mobilising and harnessing the efforts of group memebers in service of themselves , each other , and the group , allowing them to take more responsibility for their own treatment within the structure provided . An understanding of Ethics is animportant part of the process of rehabilitation and working groups . In small groups you will address some of the moral decision making in which you will be involved in the clinical setting . The theory base of normative and non-normative ethics will introduce to help develop skills in reasoning skills in reasoning about clinical dilemmas .

1802336 Creative Activities :

(3 credit hours)

This course introduce Creative activities as a way for people to

these communications , and the relationships which develop from them they may learn more about themselves , the effect they have

satisfying relationships . this module intreduces ideas about ~~express themselves in activities which allow these creative~~ Through to be expressed in therapeutic action , and creative therapy which reflects on these proecesses to allow personal learning . on others , and how this influences their ability to make and sustain

impulses

1802315 Psychology for Occupational therapy

(3 credit hours)

This course aims to provide the occupational therapist with psychological knowledege which will increase understanding of himself and of others and thus enhance professional skills . Because the nature of O.T work involves bing in close contact with individuals over a prolonged period of time, the topics chosen are mainly from the persoanl and interpersonal areas in psychology . The pricipal aims of which are to illustrate how psycholog can be applied in particalr professional contexts , how it can improve the skills of pracitioners , and how it can increase the student's understanding of themselves .