

B.Sc. in Occupational Therapy Study Plan

■ University Compulsory Courses 16 C.H Page (64)

■ University Elective Courses 9 C.H Pages (64 & 65)

■ Faculty Compulsory Courses 27 C.H

Line No.	Code	Course	
102181	MED218A	GROSS ANATOMY & HISTOLOGY	3
102182	MED218B	GROSS ANATOMY & HISTOLOGY (LAB)	0
102304	MED230A	HUMAN PHYSIOLOGY	3
102305	MED230B	HUMAN PHYSIOLOGY (LAB)	1
103021	MED302A	MEDICAL ETHICS	1
183111	PH311A	BIOSTATISTICS	2
911031	CHEM103A	GENERAL CHEMISTRY	3
911072	CHEM107B	GENERAL CHEMISTRY LAB	1
921031	PHY103A	GENERAL PHYSICS	3
931030	BIO103	GENERAL BIOLOGY	3
931070	BIO107	GENERAL BIOLOGY (PRACTICAL)	1
1114580	P.T458	MANAGEMENTS IN ALLIED MEDICAL SCIENCES	3
1731160	CS116	SELECTED PROGRAMMING LANGUAGES (FOR NON COMPUTER SCIENCE INFORMATION STUDENTS)	3

■ Department Compulsory Courses 86 C.H

Line No.	Code	Course	
102121	MED212A	PATHOLOGY	3
102261	MED226A	NEUROSCIENCE (1)	3
102262	MED226B	NEUROSCIENCE 1 (LAB)	0
103260	MED326	NEUROSCIENCE (2)	3
1112110	P.T211	MUSCULOSKELETAL ANATOMY	3
1112230	P.T223	BIOMECHANICS	3
1112320	P.T232	KINESIOLOGY	3
1112321	P.T232	KINESIOLOGY (LAB)	0
1112420	P.T242	INTRODUCTION TO CLINICAL MEDICINE	2
1112520	P.T252	DISEASES OF MUSCLES & BONE	2
1121120	O.T112	INTRODUCTION TO REHABILITATION AND OCCUPATIONAL THERAPY	1
1122100	O.T210	OCCUPATIONAL THERAPY FUNDAMANTALS	3
1122101	O.T210	OCCUPATIONAL THERAPY FUNDAMANTALS (LAB)	0
1122130	O.T213	SKILLS & ACTIVITIES USED IN OT 1	2
1122131	O.T213	SKILLS & ACTIVITIES USED IN OT 1 LAB	0
1122140	O.T214	SKILLS & ACTIVITIES USED IN OT II	2
1122141	O.T214	SKILLS & ACTIVITIES USED IN OT II (LAB)	0
1122150	O.T215	LIFE SPAN DEVELOPMENT	2
1122460	O.T246	MUSCULOSKEIETAI ASSESSMENT	2
1122461	O.T246	MUSCULOSKEIETAI ASSESSMENT (LAB)	0
1123150	O.T315	INDEPENDENT LIVING	3
1123151	O.T315	INDEPENDENT LIVING LAB	0
1123170	O.T317	ACTIVITIES ANALYSIS	2
1123171	O.T317	ACTIVITIES ANALYSIS (LAB)	0

1123240	O.T324	PEDIATRICS REHABILITATION	3
1123241	O.T324	PEDIATRICS REHABILITATION (LAB)	0
1123300	O.T330	COMMUNITY REHABILITATION	3
1123301	O.T330	COMMUNITY REHABILITATION (LAB)	0
1123310	O.T331	OCCUPATIONAL THERAPY SELF,LAB WORK AND COUNSELING	2
1123311	O.T331	OCCUPATIONAL THERAPY SELF LAB WORK AND COUNSELING LAB	0
1123360	O.T336	OCCUPATIONAL THERAPY APPLIED FOR PSYCHOSOCIAL DYSFUNCTION	3
1123361	O.T336	OCCUPATIONAL THERAPY APPLIED FOR PSYCHOSOCIAL DYSFUNCTION(LAB)	0
1123430	O.T343	OCCUPATIONS AS THERAPY	3
1123431	O.T343	OCCUPATIONS AS THERAPY LAB	0
1123440	O.T344	OCCUPATIONAL THERAPY APPLIED FOR PHYSICAL DYSFUNCTION (1)	3
1123441	O.T344	OCCUPATIONAL THERAPY APPLIED FOR PHYSICAL DYSFUNCTION (1)(LAB)	0
1124270	O.T427	CLINICAI PRACTICE (PEDIATRICS)	4
1124330	O.T433	CLINICAL PRACTICE (PSYCHOSOCIAL)	4
1124430	O.T443	OCCUPATIONAL THERAPY APPLIED FOR PHYSICAL DYSFUNCTION(2)	3
1124450	O.T445	CLINICAL PRACTICE (PHYSICAL 1)	4
1124460	O.T446	CLINICAL PRACTICE (PHYSICAL 2)	4
1124490	O.T449	OT - SPLINTING AND PROSTHETICS	3
1124491	O.T449	OT - SPLINTING AND PROSTHETICS(LAB)	0
1124600	O.T460	CLINICAL PRACTICE (INDEPENDENT EVIDENCE BASED)	3
1124620	O.T462	CLINICAL PRACTICE (GERIATRICS)	3
1124930	O.T493	OT RESEARCH PROJECT	2

TOTAL

138 C.H

*** For prerequisite & equivalent courses see the Courses' Description.**

B.Sc. in Occupational Therapy

Courses' Description

- M 220 Functional Anatomy 3 C.H**
This course begins with an introduction to the study of anatomy with particular reference to the musculoskeletal system. A detailed study of the gross anatomical structure and functional anatomy of the upper limb and lower limb will then be undertaken. This course will also examine the histological features of the musculoskeletal system tissues, and the tissue alterations associated with different activity states. *(Prerequisite: M 218)*
- M 226 Neuroscience 1 3 C.H**
The course covers basic neuroanatomy, neurophysiology, and neurohistology, focusing on processes involved in sensory and motor functions of the CNS. This knowledge will provide the foundations to understand the abnormal functional disorders and disabilities that may result from disease or trauma to the central nervous system. *(Prerequisite: M230 a, and M230 b)*
- M 235 Functional Physiology and Biochemistry 3 C.H**
This course includes principles of exercise physiology as they relate to the various systems of the body. There is an emphasis on application of these principles when designing specialized exercise programs for effective patient care. *(Prerequisite: M 222 & M 230 a & M230 b)*
- M 302 Medical Ethics 1 C.H**
This course provides the students with the fundamental comprehension of medical ethics to develop a conceptualized framework for moral judgment, and decision making to serve as a basis for health care practice. *(Prerequisite: none)*
- M 326 Neuroscience 2 3 C.H**
This course focuses on physiology of neuron, neurotransmitters, chemical changes and their roles in the diseases affecting the nervous system and body functions. Medical diagnosis of acute and chronic neurodiseases, and treatment of clinical cases in a medical setting. *(Prerequisite: M 226)*
- PT 212 Biomechanics 3 C.H**
This course includes principles of biomechanics as they relate to motions associated with human movements. Mechanical analysis of these movements will be presented. *(Prerequisite: Ph 103)*
- PT 300 Computers in medical Sciences 2C.H**
The course is designed to develop an open framework of explaining and using of databases in health care organizations, especially in hospitals. The students will be taught the applications of various computer skills and tools to serve administrative tasks and to achieve management goals. Emphasis will be on using Microsoft Office tools and internet applications. *(Prerequisite: none)*
- PT 331 Kinesiology 3 C.H**
Analysis of structure and function of bones, joints, muscles, and nerves and their individual and combined contribution to human movement. *(Prerequisite: PT 212)*
- PT 342 Introduction to Clinical Medicine 3 C.H**
The aim of this course is to give the students general knowledge about common diseases. This includes the

major symptoms, signs, laboratory investigations, diseases enteritis and their basic management. *(Prerequisite: M 212)*

- PT 352 Diseases of Muscles and Bones 2 C.H**
In this course the basic understanding of orthopedic diseases and their management with special attention to the role of rehabilitation in special diseases will be demonstrated. *(Prerequisite: M 212)*
- PT 458 Management in Allied Health Sciences 3 C.H**
A course designed to provide on-site rotations with AHS administrative directors, instruction in budget preparation, personnel considerations, equipment purchasing and related maintenance, departmental design, and other duties and responsibilities of all types of AHS administrators. *(Prerequisite: none)*
- OT 341 Theory of Occupational Therapy 3 C.H**
Study of the profession of occupational therapy including historical and philosophical bases. The role and function of standard of practice ethics, legal issues, occupational therapy theory, model and practice setting. *(Prerequisite: none)*
- OT 342 Occupational Role in Development 3 C.H**
Occupational therapy role in relation to specific physical disabilities, it explains physical disabilities, managing patients, and using available equipment to facilitate their lives. It has a practical clinical part. *(Prerequisite: OT 341)*
- OT 361 Human Occupations 1 3 C.H**
Study of the health effects of occupation and prevention measures, with emphasis on methods of identification, evaluation and control of occupational hazards. *(Prerequisite: none)*
- OT 362 Human Occupations 2 3 C.H**
Focus on the use of arts and artistic methods of different types in therapeutic purposes, like analysis and treatment of certain disorders like mental diseases and the role of occupational therapist in utilizing arts in treatment. *(Prerequisite: OT 361)*
- OT 392 Groups Counseling 2 C.H**
Study of the role of psychosocial aspect of human injury and how to handle such problems in group setting. *(Prerequisite: none)*
- OT441 Professional Principles 2 C.H**
Study of the basic principles of management in human occupations, and the role of the occupational therapist in evaluating the scope of damage in relation to profession. *(Prerequisite: OT 362).*
- OT 471 Methods in Occupational Therapy 1 5 C.H**
Study of different orthopedic, rheumatological, and neurological diseases with special emphasis on the role of occupational therapy in the rehabilitation of such cases. A parallel practical training is also included. *(Prerequisite: OT 341).*
- OT 472 Methods in Occupational Therapy 2 5C.H**
The application of occupational therapy theory, techniques and activities in the treatment of physical conditions. Theory is linked to problem-solving practice with emphasis on treatment of conditions most commonly met by the occupational therapist. *(Prerequisite: OT 471).*

OT 473 Psychiatry and Occupational Therapy 2 C.H

Study of human's psychological aspect focusing on symptoms, diagnosis, types and causes of common psychiatric diseases including anxiety, depression, mania and schizophrenia. *(Prerequisite: OT 471)*

OT 481 Clinics of Occupational Therapy 1 2 C.H

Theoretical and practical studies of splints, including types, characteristics of splinting material, modeling methods, tools necessary splint making and splint fabrication. *(Prerequisite: OT 471).*

OT 482 Clinics of Occupational Therapy 2 5 C.H

Revise the role of psychiatry in the occupational therapy profession during the recovery from an injury and the rehabilitation process. Introducing the skills of using a theory bases to guide the treatment process—assessment, treatment planning, and treatment implementation. *(Prerequisite: OT 481)*

OT 483 Orthopedics in Occupational Therapy 2 C.H

Basic principles of major orthopedic problems and associated surgical process as well as the role of the occupational therapist during rehabilitation. *(Prerequisite: PT 352)*

OT 484 Pediatrics Methods in Occupational Therapy 3 C.H

Study of the specific methods used in pediatrics for rehabilitation and how such procedures differ from adults. Emphasis is on cerebral palsy and other developmental disorders, plus the direction of occupational therapy intervention for these cases. *(Prerequisite: OT 472)*

OT 486 Clinical Practicum in Pediatrics Occupational Therapy 4 C.H

Rotation in the pediatrics sections in hospitals and centers evaluating supervised problems of rehabilitation in this age group focusing on cerebral palsy children and developmental disorders. *(Prerequisite: OT 484)*