

CMJ UNIVERSITY

SHILLONG, MEGHALAYA.

Recognized by UGC

DETAILED SYLLABUS

Under Graduate Degree Program

BSc

(OCCUPATIONAL THERAPY)

(YEARLY SYSTEM)

BSc (Occupational Therapy)

COURSE TITLE : BOT
DURATION : 4 YEARS
TOTAL MARKS : 3800

FIRST YEAR

<i>COURSE TITLE</i>	<i>Paper Code</i>	<i>MARKS</i>		
		THEORY	PRACTICAL	TOTAL
BASICS OF HUMAN ANATOMY	BOT-110	100	100	200
BASICS OF MEDICAL PHYSIOLOGY	BOT-120	100	100	200
PATHOLOGY	BOT-130	100	100	200
BASICS OF COMPUTER SKILLS	BOT-140	100	00	100
COMMUNICATION SKILLS IN ENGLISH	BOT-210	100	00	100
ORIENTATION TO OCCUPATIONAL THERAPY	BOT-220	100	100	200
PSYCHOLOGY	BOT-230	100	00	100
OCCUPATIONAL THERAPY THEORY AND PRACTICE	BOT-240	50	50	100

SECOND YEAR

<i>COURSE TITLE</i>	<i>Paper Code</i>	<i>MARKS</i>		
		THEORY	PRACTICAL	TOTAL
SOCIOLOGY	BOT-310	100	00	100
CHILD DEVELOPMENT	BOT-320	100	00	100
THERAPEUTIC ACTIVITIES	BOT-330	--	100	100
MS-OFFICE	BOT-340	50	50	100
PRACTICE OF OCCUPATIONAL THERAPY	BOT-410	100	00	200
PSYCHOSOCIAL PERFORMANCE	BOT-420	100	00	100
PHYSICAL PERFORMANCE	BOT-430	100	00	100
PROJECT	BOT-440	---	100	100

THIRD YEAR

<i>COURSE TITLE</i>	<i>Paper Code</i>	<i>MARKS</i>		
		THEORY	PRACTICAL	TOTAL
PHARMACOLOGY	BOT-510	100	00	200
KINESIOLOGY	BOT-520	100	00	100
THERAPEUTIC EXERCISE -II	BOT-530	00	100	100
REHABILITATION	BOT-540	100	00	100
LIFE SPAN DEVELOPMENT FROM AN OCCUPATIONAL PERSPECTIVE	BOT-610	100	00	100
NEUROSCIENCE ANALYSIS OF OCCUPATIONAL PERFORMANCE	BOT-620	100	00	100
OCCUPATIONAL THERAPY OF MENTALLY RETARDED	BOT-630	00	100	100
PRACTICAL	BOT-640	---	100	100

FOURTH YEAR

<i>COURSE TITLE</i>	<i>Paper Code</i>	<i>MARKS</i>		
		THEORY	PRACTICAL	TOTAL
PHYSICAL DYSFUNCTION & ITS TREATMENT	BOT-710	100	00	100
OCCUPATIONAL THERAPY THEORY AND PRACTICE II	BOT-720	50	50	100
ADMINISTRATION AND MANAGEMENT IN OT	BOT-730	100	00	100
PRACTICAL	BOT-740	100	00	100
PROFESSIONAL DEVELOPMENT AND LEADERSHIP IN SERVICE MANAGEMENT	BOT-810	100	00	100
LEADERSHIP	BOT-820	100	00	100
PRACTICAL	BOT-830	00	100	100
PROJECT	BOT-840	--	--	100

6 months internship in any Hospital or Nursing Home

Note:

Theory Paper: 30% Continuous Internal Assessment and 70% University examination.

Practical Paper: 30% Continuous Internal Assessment and 70% University examination.

Continuous Internal Assessment:

- | | |
|--|---------------------------------------|
| 1) Two or three tests out of which minimum two will be considered for Assessment | 60% of Continuous Internal Assessment |
| 2) Seminars/Assignments/Quizzes | 30% of Continuous Internal Assessment |
| 3) Attendance, class participation and behavior | 10% of Continuous Internal Assessment |

FIRST YEAR

BOT-110

BASICS OF HUMAN ANATOMY

Maximum Time : 3 Hrs.

University Examination :70 %

Total Marks : 100

Continuous Internal Assessment : 30 %

Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Skeleton Structures of Bone, Vertebral Column, Upper Extremity, Lower Extremity, superior extremity, inferior extremity, ossification centers, bone of upper limb, radius and ulna, surface marker of thorax abdomen, head and neck.

BOT-110

BASICS OF HUMAN ANATOMY

The laboratory course will comprise of exercises on what is learnt in the theory classes of the same course i.e. BOT 110.

BOT -120**BASICS OF MEDICAL PHYSIOLOGY**

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

General information:- The cell, membrane potential, some common terms used in physiology.

Blood:- Red blood corpuscles, hemoglobin, the leucocytes, immunity, origin and function of lymphocytes, reticule endothelial system, the platelets, homeostasis, coagulation of blood, the plasma proteins, blood groups.

Digestive system:- introduction to digestive system. Elementary functional anatomical considerations, the salivary glands, the stomach and its secretion, pancreas, the bile, the small intestine, movement of the alimentary tract, gastrointestinal hormones, apud cells.

Respiratory system:- Functional anatomy, ventilation, control of ventilation, exchange of gases between the alveoli and pulmonary capillary blood, carriage of O_2 and CO_2 by the blood and their exchange at the tissue level, applied and environment physiology Defense mechanism. Changes with age.

BOT –120 P**BASICS OF MEDICAL PHYSIOLOGY**

The laboratory course will comprise of exercises on what is learnt in the theory classes of the same course i.e. BOT 120.

BOT-130

PATHOLOGY

Maximum Time : 3 Hrs.
Total Marks : 100
Minimum Pass Marks : 40%

University Examination :70 %
Continuous Internal Assessment : 30 %

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

The Cell in Health and Disease:- Introduction to Pathology, Cellular Structure and Metabolism, Etiology and Pathogenesis of Disease, Intracellular Accumulations and Disorders of Metabolism, Amyloidosis, Degenerations and Cell Death.

Inflammation and Healing, Immunity and Hypersensitivity, Infection and infestation:- Inflammation-Acute and Chronic, Granulomatous Inflammation, Healing, immunity and Hypersensitivity, Infection and Infestation.

Fluid and Haemodynamic Derangements:- Derangements of Body Fluids and Electrolytes, Haemodynamic Disorders due to Deranged Blood Volume, Haemodynamic Disorders of Obstructive Nature, Ischaemia and Infarction.

Growth Disorders and Neoplasia:- Adaptive Disorders of Growth, General Aspects of Neoplasia, Etiology and pathogenesis of Neoplasia, Clinical Aspects of Neoplasia, Common Specific Tumours.

BOT-130 P

PATHOLOGY

The laboratory course will comprise of exercises on what is learnt in the theory classes of the same course i.e. BOT 130.

BOT-140

BASIC OF COMPUTER SKILLS

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Hardware & Software: CPU, RAM, SSD, Operating Systems, System Softwares, Application Software. Inside Computers. Computer Systems.

Input-Output devices: Monitor, Keyboard, Mouse, System Unit, Printer, Scanner.

Storage devices : Floppy disk, Hard disk, Cartridge tape, CD-ROM

Printers : Dot-Matrix, Inkjet, Laserjet, Colour printer, High speed printer, Label printer, Plotters.

PROGRAMMING LANGUAGE:-Compiler, Assembly Language, Machine Language.

Graphical user interface : Windows 3x, Program manager, Main & accessories program groups, Multiasking.

**BOT-210
ENGLISH**

COMMUNICATION SKILLS IN

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Basic Skills: - Listening, Speaking, Reading and Writing.

Comprehension: - Reading Comprehension, Passages, Poems.

Listening Comprehension: - Talks, Reports, Poems

Writing Skills: - Paragraph Writing, Composition Writing, Report Writing, Application & Letter Writing

Grammar: - Simple, Compound and complex sentences, Co-ordinate clause (with, but or either-or, Neither-Nor otherwise or else), Subordinate clauses-noun clauses-as subjects object and complement: Relative Clauses (restrictive and non-restrictive clauses). Adverb clauses (open and hypothetical, Comparative Clauses

Simple present, progressive and present perfect, simple past, progressive and past perfect, indication of futurity, the passive (Simple present and past, present and past perfect and 'to' infinitive structure), Reported Speech: - (I) Declarative sentences, (ii) Imperatives (iii) Interrogatives –question, Yes/No Questions, Exclamation sentences, Modals (will, shall, should, would, ought to, have to/have got to, can, could, may-might and need), Verb structures (infinitives and gerundial)

**BOT-220
THERAPY**

ORIENTATION TO OCCUPATIONAL

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Study of the general scope of the profession. Introduction of the equipment, medical terminology, therapeutic media, and restorative environment of the occupational therapy field.

**BOT-220 P
THERAPY**

ORIENTATION TO OCCUPATIONAL

The laboratory course will comprise of exercises on what is learnt in the theory classes of the same course i.e. BOT 220.

BOT-230

PSYCHOLOGY

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

The fundamentals of human behavior.:- biological bases of behavior, sensation and perception, motivation, learning and memory, maturation and development, personality, and social psychology.

Personal and social adjustment in modern society. Topics include maturing self-concept, healthy interpersonal relationships, constructive management of emotion and stress, and prevention of maladjustment.

The biological and environmental factors influencing the physical, intellectual, social, emotional, and language development from birth until death

**BOT-240 OCCUPATIONAL THERAPY THEORY
AND PRACTICE**

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

The basic concepts of occupational therapy. Content includes history, philosophy, role delineation, ethics, cultural issues, standards of practice, and professional associations. Occupational performance, the OT process, and documentation of OT services are emphasized. A fieldwork component allows exposure to the practice of OT in different settings.

SECOND YEAR

BOT-310

SOCIOLOGY

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Studies the individual in society. Explores topics of social behavior: conformity, interpersonal relationships, perceptions, prejudice, altruism, aggression, and attitude formation

BOT-320**CHILD DEVELOPMENT**

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Study of how children change as a result of age and experience. The interplay of biology, experience, and current level of development; how early experiences affect later development; and self-development. An overview of abnormal development and its clinical outcomes.

BOT –330

THERAPEUTIC ACTIVITIES

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

The principles of design and the fundamentals of manual arts as they relate to clay and woodworking. Emphasis is on clay handbuilding and construction of OT equipment, as well as practical experiences with hand and power woodworking tools. Students are introduced to setting up and maintaining equipment in a safe environment. Attention is focused on the correct body mechanics when using equipment.

BOT-340

MS-OFFICE

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

MS Word : Creating documents, Formatting, Auto text, Auto correct, Tables, Page setup, Printing, Object linking & embedding, Spell check, Thesaurus, Mail merge, Word art, Clip art.
setup.

MS Excel : Creating workbooks & worksheets, Formulas & functions, Linking workbooks & worksheets, Cell references, Formatting, Creating charts, Data lists, Page setup, Printing.

MS Power Point : Creating slides with different layouts and templates, Inserting charts, Tables, Organisation charts, Pictures, Running a screen show, Presentation

**BOT-410
THERAPY**

PRACTICE OF OCCUPATIONAL

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Students will use clinical reasoning skills to analyze a person's performance as they participate in work, leisure, and self care activities in natural environments. Professional behavior is emphasized.

**BOT-410 P
THERAPY**

PRACTICE OF OCCUPATIONAL

The laboratory course will comprise of exercises on what is learnt in the theory classes of the same course i.e. BOT 410.

BOT-420

PSYCHOSOCIAL PERFORMANCE

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

This course addresses psychosocial roles and occupational performance in adolescence through young adulthood. Occupations of adolescence and young adults will be identified and analyzed from a holistic perspective that recognizes diversity in cultural orientation, cognitive performance, emotional behavior, and physical competence. Occupational functioning will be viewed in different contexts and phases of wellness, illness and disability. Different occupational therapy models including direct service and consultative formats will be analyzed. Psychosocial, behavioral and developmental frames of reference are presented and used to guide the selection of assessment tools and intervention methodology for young clients experiencing disruption in capacities related to desired occupational activities.

BOT-430

PHYSICAL PERFORMANCE

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

This physical performance course to look at physical development during pre-teen years through young adulthood. Functional independence as a primary goal in occupational therapy services is stressed. Effects of disability on the individual, the family, and societal systems will be investigated. Specific focus will be given to age appropriate hand skills, sensory integration, perceptual development and motor learning. Students will continue to advance skills in differentiating between assessment methods, devising treatment plans, and implementing therapeutic services.

BOT 440

PROJECT

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

The Students will select a topic in their area of interest, in consultation with a supervisor, and carry out a project.

THIRD YEAR

BOT-510

PHARMACOLOGY

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

General pharmacological principles, Drugs acting on automatic nervous system, Drugs acting on peripheral nervous system, Autocoids, Respiratory system drugs, hormones, drug acting on central nervous system, cardiomuscular drugs, drugs acting on kidneys, drugs acting on blood and blood formation.

The focus of this course is to provide an introductory foundation in prescriptive medications used across the lifespan to treat a variety of diagnoses and the use of pharmacotherapy relates to occupational therapy practice

BOT-510 P

PHARMACOLOGY

The laboratory course will comprise of exercises on what is learnt in the theory classes of the same course i.e. BOT 510.

BOT-520

KINESIOLOGY

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

The kinetics of normal and abnormal human motion of the musculo-skeletal system. Evaluation procedures for range of motion and functional muscle strength. Principles and techniques of body mechanics, transfers, and positioning. and Neuromotor treatment techniques for physical dysfunction

BOT-530

THERAPEUTIC EXERCISE II

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Skill development in self care, leisure and work which are appropriate to the skill developmental stage being presented simultaneously in human development from childhood through old age. Crafts, games, work activities and life skills are emphasized. Provides opportunities for teaching, activity analysis, ordering, and maintaining supplies and equipment.

BOT-540

REHABILITATION

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

The basic physical assessment of clients seen by physical and occupational therapists with emphasis on self-directed learning and evidence-based practice.

BOT-610

**LIFE SPAN DEVELOPMENT FROM AN
OCCUPATIONAL PERSPECTIVE**

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Developmental theories and controversies

Basic embryology and genetics, Neonatal neurobehavioral performance, Motor principles and theories, Developmental competency in gross motor, fine motor, perceptual, cognitive, social, behavioral, play, daily living skills and language for the:

- a) infant
- b) preschooler
- c) school age child
- d) adolescent

Family function and cultural background and their effects on development.

Theories and developmental changes characteristic of the young adult and during the middle years.

Physiologic, psychosocial, and cognitive changes associated with aging.

Changing roles and activities in the elderly.

Death and dying.

BOT-620

**NEUROSCIENCE ANALYSIS OF
OCCUPATIONAL PERFORMANCE**

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Principles of basic and applied neurology. Functions of the central, peripheral, and autonomic nervous systems; sensory input, central processing, and output mechanisms and how systems interact to produce appropriate responsiveness to environmental demands. Study of human behavior in relation to function and dysfunction of the nervous system. Common central nervous system disorders .

**BOT-630
RETARDED**

OCCUPATIONAL THERAPY OF MENTALLY

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Study of normal and abnormal behavior. symptoms, behaviors, prognosis, drugs, and medical/OT treatment. Psychiatric theorists, cultural influences, and neuropsychological considerations to be studied.

Treatment of rationale and application of therapeutic relationships and techniques
.Treatment and management process for mental health settings.

BOT-640

PRACTICAL

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Provides the OT student with the opportunity to apply learning and theory of occupational therapy in physical dysfunction in a clinical or community setting under the supervision of a registered occupational therapist. Academic and clinical educators collaborate on fieldwork objectives and experiences to ensure reinforcement of the role and functions expected of an entry-level occupational therapy assistant.

FOURTH YEAR

BOT-710

BLOOD COMPONENTS

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Packed cell volume and plasma ; Granulocytes ; Frozen red blood cell ; platelets.

BOT-720

**OCCUPATIONAL THERAPY THEORY
AND PRACTICE II**

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Roles and functions in aspects of the profession dealing with service management function, practical ethics, health care reform, emerging models of practice as well as student preparation for Level II Fieldwork and the future credentialing process. It provides an opportunity to integrate academic knowledge of OT functions in a Fieldwork experience emphasizing the role of the OTA in a psychosocial, physical disability, and pediatric school system, or developmental disability setting.

BOT-730

**ADMINISTRATION AND MANAGEMENT
IN OCCUPATIONAL THERAPY**

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

Course Contents

This course focuses on the application of management and administrative principles to the professions of occupational therapy. Topics include human resource issues, quality assurance, fiscal management, effective leadership, marketing and legal considerations

BOT-740

PRACTICAL

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

This course prepares the student for their Fieldwork experiences. OT students will evaluate, interpret, develop a treatment plan, and begin treatment implementation for a variety of "mock" and "real" patients/clients. Students may be visiting OT settings during this Practicum.

BOT-810 PROFESSIONAL DEVELOPMENT AND LEADERSHIP IN SERVICE MANAGEMENT

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

Professional responsibilities, professional career development opportunities, and preparations for employment IN Service management. leadership, administration, and management in occupational therapy services.

BOT-820

LEADERSHIP

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A)Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will compromise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B)Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

This course examines teams, teamwork and leadership in occupational therapy. The behavior of effective clinical supervisors, team members and leaders are explored from the perspective of current and emerging practice areas. Modeling leadership skills, providing a vision, enabling others, mentoring, and informed decision-making, are characteristics of effective leaders that will be discussed and applied to case studies of health policy issues.

BOT-830

PRACTICAL

Maximum Time	: 3 Hrs.	University Examination	:70 %
Total Marks	: 100	Continuous Internal Assessment	: 30 %
Minimum Pass Marks	: 40%		

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B)Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

COURSE CONTENTS

In this session Students will have opportunities to provide assessment and intervention to at least one individual with a psychosocial dysfunction and one individual with a physical disability under the supervision of an occupational therapy mentor. Students will determine the relevant variables for intervention, work collaboratively with others within the setting and analyze and reflect upon their experience

BOT-840

PROJECT

Maximum Time : 3 Hrs. University Examination :70 %
Total Marks : 100 Continuous Internal Assessment : 30 %
Minimum Pass Marks : 40%

A) Instructions for paper-setter

1. The question paper will be divided into two parts. Part-I will contain subjective questions. This part will carry 60% of the total marks.
2. Part-II will comprise of 10-15 short questions, which will cover the entire syllabus and will carry 40% of the total marks.

B) Instructions for the candidates

1. Candidates are required to attempt Part-I as defined in the question paper and the entire part-II.
2. Use of non-programmable scientific calculator is allowed

The Students will select a topic in their area of interest, in consultation with a supervisor, and carry out a project.