

**HARMONISED  
CURRICULUM OF STUDIES**

**FOR THE**

**BACHELOR OF MEDICAL REHABILITATION  
(BMR) DEGREE PROGRAMME IN  
NIGERIAN UNIVERSITIES**

**AS A**

**STANDARD CONTROL MEASURE**

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# HARMONISED CURRICULUM OF STUDIES FOR BACHELOR OF MEDICAL REHABILITATION DEGREE PROGRAMME IN NIGERIAN UNIVERSITIES

## INTRODUCTION

Medical Rehabilitation is a process of restoring a person's ability to live and work as normally as possible after a disabling injury or illness. The history of Medical Rehabilitation is as old as man. Hippocrates had advanced views about exercise therapy as a means of effectively rehabilitating residual paralysis following any disabling disease. Physical training or rather exercise-therapy has been employed from the early time as a means of managing diseases or conditions resulting in physical disabilities. The major objective of medical rehabilitation in the management of diseases or conditions is, therefore, to assist a physically-disabled and handicapped person to achieve maximum physical and psychological fitness to care for himself or herself.

The importance of Medical Rehabilitation was brought under the spotlight during and after the Nigerian Civil War when it became necessary to consider and effect the rehabilitation of wounded soldiers. Rehabilitation of wounded soldiers then was bedeviled with acute shortage of adequate Medical Rehabilitation Personnel. This led to the commencement of a degree programme in Medical Rehabilitation in Nigerian Universities in order to respond to the healthcare needs of the nation for a leadership cadre of personnel in Medical Rehabilitation. The purpose of this programme of studies is, therefore, to train personnel who would be able to interact effectively with patients in the indigenous environment.

Medical Rehabilitation entails the treatment and training of the patient to a level where he is able to achieve maximum potential for normal living in the physical, psychological, social and vocational sense. The profession is multi-disciplinary in outlook with emphasis on teamwork. Notable members of the Medical Rehabilitation team are Physiotherapists, Occupational Therapists, Speech Therapists and Clinical Audiologists, Speech Pathologists, Prosthetists, e.t.c. to mention but just a few of the practitioners of Medical Rehabilitation Therapy Profession.

The physical therapy aspect of Medical Rehabilitation programme entails the use of physical modalities like heat, light, sound, cold, e.t.c. in a mechanistically oriented milieu and judicious use of exercises to effect a better functioning of the musculoskeletal and neuromuscular apparatus. The occupational therapy part of

the programme involves the utilization of constructive and manipulative activities as media for therapy, with emphasis on the use of occupation to close the gap between disability and ability. Though there is a professional distinction between these two professions but there are in fact major areas of overlap. It is, therefore, hoped that students studying towards the degree in Medical Rehabilitation will have the option to specialize in either occupational therapy or physical therapy during the programme. This will enable him to be eligible for registration with the Medical Rehabilitation Therapists (Registration) Board of Nigeria (MRTB) and belong to either the Nigerian Society of Physiotherapy or Nigerian Society of Occupational Therapy depending on his chosen area of specialization.

## **PHILOSOPHY OF BACHELOR OF MEDICAL REHABILITATION PROGRAMME OF STUDIES**

The restoration of the disabled patient to a state of self-sustaining existence is perhaps the greatest gift that man can give to his fellow man. He that will extend this gift must of necessity be able to employ all the knowledge and expertise available to him/her in achieving this laudable objective. Interwoven in this philosophy is the belief that students of this programme shall be exposed to the widest range of basic sciences that will enable them appreciate the usefulness of the methodology employed in their profession as they strive to make such worthy contribution to the restoration of the disabled to a state of meaningful existence.

## **COURSE OBJECTIVES**

The objectives of the Bachelor of Medical Rehabilitation Programme of studies are:

1. To train graduates of high caliber and competence in physical therapy with ability to identify and tackle research problems in physical therapy and who can perform both in rural and urban areas and who can either be engaged in public or private sectors.
2. To produce health personnel who would be able to interact effectively with patients in the indigenous environment.
3. To acquaint the undergraduates physical therapists and occupational therapists with the socio-psychological and economic problems associated

with differing community settings, which affect a patient's need for, and response to rehabilitation therapy in a variety of health care facilities.

4. To emphasize and inculcate into the personality of the students, the attitude of empathy, sympathy, patience and understanding of human feeling.

## **REGULATIONS GOVERNING THE DEGREE OF BACHELOR OF MEDICAL REHABILITATION**

### **1. DESIGNATION**

An integrated professional programme of studies is provided leading to the award of Bachelor of Medical Rehabilitation, to be denoted by the letters: BMR(PT)/BMR(OT). It shall be an *UNCLASSIFIED* degree i. e. without class/honours.

### **2. ADMISSION REQUIREMENTS**

- (a) The applicants or the prospective students for the Bachelor of Medical Rehabilitation course of studies must satisfy the minimum entrance requirements of each University offering the course – Obafemi Awolowo University (OAU) and University of Nigeria, Nsukka (UNN).
- (b) The applicants for admission into 100 level of studies must have a minimum of 5 credit passes in Physics, Chemistry, Mathematics, Biology and English Language at Senior Secondary School Certificate Examination (SSSCE) or General Certificate of Education (GCE 'O' Level) or its equivalents. In addition, a candidate must have passed the University Matriculation Examination (U.M.E) with a score acceptable to the University's admission policy.
- (c) Direct entry to 200 level of study.
  - Graduates from reputable Universities recognized by the Senate of the University may be considered for admission, but such a candidate shall be expected to satisfy the admission Committee of the Faculty in an oral interview.

- (d) Candidates who passed the final examination of the Chartered Society of Physiotherapy or the British Association of Occupational Therapy or equivalent qualification may be admitted to the Bachelor of Medical Rehabilitation degree course on special recommendation of the Faculty Board.
- Candidates may be required to attend an interview before admission.

### **3. PROGRAMME STRUCTURE**

The programme is made up of five years of formal studies in the University. This is divided into three years of pre-clinical to study basic sciences and basic medical science subjects and two years of clinicals. The professional training of the students will be:

1. hospital-based.
2. hospital postings and out of town including posting to rehabilitation homes and centers.
3. community physiotherapy postings to rural health centers.

### **4. LENGTH OF COURSE**

The Bachelor of Medical Rehabilitation degree programme shall normally extend over 10 semesters (5 academic sessions) for candidates admitted into 100 level of study; and 8 semesters (4 academic sessions) for candidates admitted into 200 level of study. The maximum number of semesters allowed for the degree shall be 15.

### **5. MODE OF STUDY**

Candidates must register as full-time student. No part-time registration is allowed.

### **6. EXAMINATION AND AWARD OF DEGREE**

- (a) All courses taught during each semester shall be examined at the end of each semester. Students shall be required to take written (made up of essay type questions or multiple choice questions) and/or practical/laboratory/clinical, or oral examination. Candidates will be credited with the number of course units assigned to the courses in which they have passed the examinations.

- (b) At the professional phase of the programme, an external examiner shall moderate examinations in certain practical and clinical courses.
- (c) Continuous assessment shall constitute 30% of mark for all courses while examination at the end of the semester in which the course is taken will constitute 70% of the marks.
- (d) Pass mark for courses prescribed by the department of Medical Rehabilitation shall be 50%. Pass mark for courses prescribed by departments other than physiotherapy department shall be as stipulated by such departments. Candidates must have a minimum of 50% in all practical and clinical examinations.
- (e) A mandatory attendance in all courses, theoreticals, practicals and clinicals with allowances for reasonable absences is required for all candidates. Students must produce written requests for any and all absences. A student shall only be allowed to sit a final examination in a course provided he has fulfilled the above requirements.
- (f) The aggregate marks that will be used in determining student's performance in each course unit shall be in line with the University's regulation.
- (g) The department shall award a Distinction Mark to a student who scores an average of 70% and above in all the courses in a subject area, provided that all courses are passed at the first attempt. The subject areas are Electrotherapy, Exercise Therapy, Manual Therapy, Kinesiology, Paediatrics and Geriatrics, Occupational Therapy.
- (h) The list of successful students for the degree shall be published in alphabetical order, indicating those who pass with distinction in any subject. Students who for no acceptable reason absent themselves from any examination shall be deemed to have failed the examination.
- (i) Candidates who fail examinations in Department-based courses may be re-examined in each of 300 - 500 level courses he/she fails during a re-sit examination.
- (j) A candidate who passes a course in a re-sit examination shall be credited with the average of the scores he obtained in the main and the re-sit examination.
- (k) No candidate shall be allowed more than 3 carry-overs in any academic session.
- (l) No candidate shall be allowed to repeat a year twice. If a candidate fails a year twice, he shall be asked to withdraw from the programme.
- (m) When, for valid reasons (e. g. medical), a student is unable to complete all the prescribed requirements for a course in which he is formally enrolled, he may, on the recommendation of the Head of Department, be awarded an incomplete grade 1. Such incomplete grade will

normally be removed when the department certifies that all prescribed requirements have been met.

## **7. REGISTRATION OF COURSES**

- (a) In each academic year, students shall normally be required to register for not less than a prescribed minimum of units, which shall be approved by Senate on the recommendation of the Faculty Board.
- (b) The required and compulsory course units for each academic year are displayed on pages 8 – 31.
- (c) Transfer students shall be expected to have taken and passed all the compulsory required courses for the Bachelor of Medical Rehabilitation Degree of the University or their equivalents. No admission shall be made beyond the 200 level.

## **8. CRITERIA FOR MOVING FROM ONE LEVEL OF STUDIES TO ANOTHER**

- (a) Candidates shall not normally proceed to 200 level until they have obtained 50% in all relevant courses at the 100 level of study. Students who fail to pass General Studies Courses at 100 level shall have to pass them before they can be allowed to graduate in accordance with the University regulations.
- (b) Students shall not normally proceed to 300 level until they have obtained 50% in all relevant courses at 200 level. The courses passed must include all courses in the subject area of Anatomy, Biochemistry, Physics and Physiology.
- (c) Students shall not normally proceed to 500 level until they have obtained at least 50% in all relevant courses at 400 level. Courses passed must include all courses in the subject areas of Medical and Surgical conditions, Respiratory Therapy, Electrotherapy, Electrotherapy practicals, Manipulative Therapy, Exercise Therapy, Occupational Therapy, Speech Therapy.

## **9. VACATION CLINICAL POSTING**

In order to qualify for the Bachelor of Medical Rehabilitation degree in Physiotherapy and Occupational Therapy, a student must have satisfactorily completed 12 weeks of vacation clinical posting under the student industrial work experience schemes (SIWES) in 4 – 6

Physiotherapy and Occupational Therapy facilities other than teaching hospitals.

**10. WARNING FOR STUDENTS WITH POOR ACADEMIC PERFORMANCE**

A student shall be given a written warning or be required to withdraw from the programme of studies if he/she fails to achieve the minimum standards stipulated by the University.

- (a) Candidates with score less than an average of 50% in any session to get a warning in writing.
- (b) Candidates who fail a year twice shall be asked to withdraw from the programme.
- (c) Candidates who cannot satisfy the minimum requirements to proceed to the next level of professional phase, after repeating the class, are to be asked to withdraw from the programme.
- (d) A student who after 15 - 20 semesters has not obtained a degree shall be asked to withdraw from the programme.

**11. GRADUATION REQUIREMENTS AND AWARD OF BACHELOR OF MEDICAL REHABILITATION DEGREE (BMR)**

The degree shall be awarded provided a student has satisfactorily completed all requirements for the degree with an overall average of 50% and above and satisfies the professional conduct as required for registration with the Medical Rehabilitation Therapists (Registration) Board of Nigeria (MRTB). Throughout the course of study, the student is required to maintain a professional code of conduct as embodied in the fundamental ethical principles of the Physiotherapy and Occupational therapy professions. The Department, as guardian of these principles on behalf the Board MRTB, therefore reserves the right to refuse recommending through the Faculty to the Senate the award of the degree of Bachelor of Medical Rehabilitation (BMR) to a student who has successfully fulfilled all academic requirements but whose conduct does not conform to that expected of a prospective Medical Rehabilitation Therapist.



**1<sup>ST</sup> SEMESTER 100 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TYPE</b>	<b>UNIT</b>	<b>SEMESTER</b>
CHEM 101	Basic Principles of Chemistry I	Required	5	1 <sup>st</sup>
CHEM 102	Basic Principles of Chemistry II	Required	3	1 <sup>st</sup>
BIO 101	Genetics for Medical Students	Required	2	1 <sup>st</sup>
PHY 191	Practical Physics I	Required	2	1 <sup>st</sup>
PHY 105	Physics for Biological Science	Required	5	1 <sup>st</sup>
GNS 103	Social Science I	Required	2	1 <sup>st</sup>
GNS 101	Use of English I	Compulsory	2	1 <sup>st</sup>
ZOO 101	Introductory Zoology	Required	4	1 <sup>st</sup>
<b>TOTAL CREDIT UNITS FOR 1<sup>ST</sup> SEMESTER IS 25 UNITS</b>				

**2<sup>ND</sup> SEMESTER 100 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TYPE</b>	<b>UNIT</b>	<b>SEMESTER</b>
PHY 106	Physics for Biological Science II	Required	5	2 <sup>nd</sup>
GNS 102	Use of English II	Compulsory	2	2 <sup>nd</sup>
GNS 103	Wealth and Poverty of Nations	Required	3	2 <sup>nd</sup>
GNS 104	Social Science II	Required	2	2 <sup>nd</sup>
BOT 101	Form and Function in Plants	Required	4	2 <sup>nd</sup>
BIO 152	General Biology II	Required	3	2 <sup>nd</sup>
BIO 153	General Biology (Practical)	Required	2	2 <sup>nd</sup>
BIO 151	General Biology I	Required	3	2 <sup>nd</sup>
<b>TOTAL CREDIT UNITS FOR 2<sup>ND</sup> SEMESTER IS 24 UNITS</b>				

**1<sup>ST</sup> AND 2<sup>ND</sup> SEMESTERS 100 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TYPE</b>	<b>UNIT</b>	<b>SEMESTER</b>
CHEM 101	Basic Principles of Chemistry I	Required	5	1 <sup>st</sup>
CHEM 102	Basic Principles of Chemistry II	Required	3	1 <sup>st</sup>
BIO 101	Genetics for Medical Students	Required	2	1 <sup>st</sup>
PHY 191	Practical Physics I	Required	2	1 <sup>st</sup>
PHY 105	Physics for Biological Science	Required	5	1 <sup>st</sup>
GNS 103	Social Science I	Required	2	1 <sup>st</sup>
GNS 101	Use of English I	Compulsory	2	1 <sup>st</sup>
ZOO 101	Introductory Zoology	Required	4	1 <sup>st</sup>
PHY 106	Physics for Biological Science II	Required	5	2 <sup>nd</sup>
GNS 102	Use of English II	Compulsory	2	2 <sup>nd</sup>
GNS 103	Wealth and Poverty of Nations	Required	3	2 <sup>nd</sup>
GNS 104	Social Science II	Required	2	2 <sup>nd</sup>
BOT 101	Form and Function in Plants	Required	4	2 <sup>nd</sup>
BIO 152	General Biology II	Required	3	2 <sup>nd</sup>
BIO 153	General Biology (Practical)	Required	2	2 <sup>nd</sup>
BIO 151	General Biology I	Required	3	2 <sup>nd</sup>
<b>GRAND TOTAL FOR 100 LEVEL IS 49 UNITS</b>				

**100 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b><u>COURSE CODE</u></b>	<b><u>COURSE TITLE</u></b>	<b><u>CREDIT UNITS</u></b>
CHEM 101	Basic Principles of Chemistry I	5
CHEM 102	Basic Principles of Chemistry II	3
BIO 101	Genetics for Medical Students	2
PHY 191	Practical Physics I	2
PHY 105	Physics for Biological Science	5
GNS 103	Social Science I	2
GNS 101	Use of English I	2
ZOO 101	Introductory Zoology	4
PHY 106	Physics for Biological Science	5
GNS 102	Use of English II	2
GNS 103	Wealth and Poverty of Nation	3
GNS 104	Social Science II	2
BOT 101	Form and Function in Plants	4
BIO 152	General Biology II	3
BIO 153	General Biology Practical	2
BIO 151	General Biology I	3

**1<sup>ST</sup> SEMESTER 200 LEVEL OF BACHELOR OF MEDICAL  
1REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT UNIT</b>	<b>TYPE</b>	<b>SEMESTER</b>
ANA 201	Gross Anatomy I	4	Required	1 <sup>st</sup>
ANA 203	Embryology	2	Required	1 <sup>st</sup>
SOC 101	Introduction to Sociology	2	Required	1 <sup>st</sup>
CS 101	Introduction to Computer Science	2	Required	1 <sup>st</sup>
PYS 201	General Physiology	2	Required	1 <sup>st</sup>
PYS 202	Muscle, Nerves and Automatic Nervous System	2	Required	1 <sup>st</sup>
BIC 202	Chemistry of Biological Molecules and Biochemical Catalysts	3	Required	1 <sup>st</sup>
MRH 203	Introduction to Medical Rehabilitation	2	Required	1 <sup>st</sup>
GNS 002	African History and Culture	2	Required	1 <sup>st</sup>
MRH 126	Biostatistics	2	Required	1 <sup>st</sup>
PSY 101	Introduction to Psychology in the Content of African Social Environment	2	Required	1 <sup>st</sup>
<b>TOTAL CREDIT UNITS FOR 1<sup>ST</sup> SEMESTER IS 25 UNITS</b>				

**2<sup>ND</sup> SEMESTER 200 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT UNIT</b>	<b>TYPE</b>	<b>SEMESTER</b>
ANA 202	Gross Anatomy II	2	Required	2 <sup>nd</sup>
ANA 204	Gross Anatomy III	4	Required	2 <sup>nd</sup>
BIC 203	Bioenergetics Metabolism and In-born errors of Metabolism	2	Required	2 <sup>nd</sup>
PYS 203	Renal and Gastrointestinal Physiology	3	Required	2 <sup>nd</sup>
PYS 204	Cardiovascular and Respiratory Physiology	3	Required	2 <sup>nd</sup>
MRH 121	Electrophysics	3	Required	2 <sup>nd</sup>
SOC 001	Fundamental of Human Behaviour	2	Required	
MRH 204	Theory and Practice of Movement	3	Required	
MRH 205	Principles and Practice of Electrotherapy (Physiotherapy Option)	6	Required	2 <sup>nd</sup>
MRH 206	Principles and Practice of Massage (Physiotherapy Option)	6	Required	2 <sup>nd</sup>
MRH 207A	Clinical experience in Physiotherapy (Physiotherapy Option)	6	Required	2 <sup>nd</sup>
MRH 207B	Clinical experience in Occupational Therapy (Occupational Therapy Option)	6	Required	2 <sup>nd</sup>
MRH 209	Assessment in Occupational Therapy (Occupational Therapy Option)	4	Required	2 <sup>nd</sup>
MRH 208	Organisation and Administration in Occupational Therapy Department (Occupational Therapy Option)	2	Required	2 <sup>nd</sup>
MRH 206	Electrotherapy Practicals	4	Required	2 <sup>nd</sup>
<b>TOTAL CREDIT UNITS FOR 2<sup>ND</sup> SEMESTER IS 44 UNITS FOR PHYSIOTHERAPY OPTION AND FOR OCCUPATIONAL THERAPY OPTION IS 34 UNITS</b>				

**1<sup>ST</sup> AND 2<sup>ND</sup> SEMESTER 200 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT UNIT</b>	<b>TYPE</b>	<b>SEMESTER</b>
ANA 201	Gross Anatomy I	4	Required	1 <sup>st</sup>
ANA 203	Embryology	2	Required	1 <sup>st</sup>
SOC 101	Introduction to Sociology	2	Required	1 <sup>st</sup>
CS 101	Introduction to Computer Science	2	Required	1 <sup>st</sup>
PYS 201	General Physiology	2	Required	1 <sup>st</sup>
PYS 202	Muscle, Nerves and Automatic Nervous System	2	Required	1 <sup>st</sup>
BIC 202	Chemistry of Biological Molecules and Biochemical Catalysts	3	Required	1 <sup>st</sup>
MRH 203	Introduction to Medical Rehabilitation	2	Required	1 <sup>st</sup>
GNS 002	African History and Culture	2	Required	1 <sup>st</sup>
MRH 126	Biostatistics	2	Required	1 <sup>st</sup>
PSY 101	Introduction to Psychology in the Content of African Social Environment	2	Required	1 <sup>st</sup>
ANA 202	Gross Anatomy II	2	Required	2 <sup>nd</sup>
ANA 204	Gross Anatomy III	4	Required	2 <sup>nd</sup>
BIC 203	Bioenergetics Metabolism and In-born errors of Metabolism	2	Required	2 <sup>nd</sup>
PYS 203	Renal and Gastrointestinal Physiology	3	Required	2 <sup>nd</sup>
PYS 204	Cardiovascular and Respiratory Physiology	3	Required	2 <sup>nd</sup>
MRH 121	Electrophysics	3	Required	2 <sup>nd</sup>
SOC 001	Fundamental of Human Behaviour	2	Required	
MRH 204	Theory and Practice of Movement	3	Required	
MRH 205	Principles and Practice of	6	Required	2 <sup>nd</sup>

	Electrotherapy (Physiotherapy Option)			
MRH 206	Principles and Practice of Massage (Physiotherapy Option)	6	Required	2 <sup>nd</sup>
MRH 207A	Clinical experience in Physiotherapy (Physiotherapy Option)	6	Required	2 <sup>nd</sup>
MRH 207B	Clinical experience in Occupational Therapy (Occupational Therapy Option)	6	Required	2 <sup>nd</sup>
MRH 209	Assessment in Occupational Therapy (Occupational Therapy Option)	4	Required	2 <sup>nd</sup>
MRH 208	Organisation and Administration in Occupational Therapy Department (Occupational Therapy Option)	2	Required	2 <sup>nd</sup>
MRH 206	Electrotherapy Practicals	4	Required	2 <sup>nd</sup>
<b>GRAND TOTAL FOR 200 LEVEL FOR PHYSIOTHERAPY OPTION STUDENT IS 69 UNITS AND FOR OCCUPATIONAL THERAPY OPTION IS 59 UNITS</b>				



## **200 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b><u>COURSE CODE</u></b>	<b><u>COURSE TITLE</u></b>	<b><u>CREDIT</u></b>
ANA 201	Gross Anatomy I	4
ANA 203	Embryology	2
SOC 101	Introduction to Sociology	2
CS 101	Introduction to Computer Science	2
PYS 201	General Physiology	2
PYS 202	Muscle, Nerve and Automatic Nervous System	2
BIC 202	Chemistry of Biological Molecules and Biochemical Catalysts	3
MRH 203	Introduction to Medical Rehabilitation	2
GNS 002	African History and Culture	2
MRH 126	Biostatistics	2
PSY 101	Introduction to Psychology in the Content of African Social Environment	2
ANA 202	Gross Anatomy II	2
ANA 204	Gross Anatomy III	4
BIC 203	Bioenergetics, Metabolism and In-born Errors of Metabolism	2
PYS 203	Renal and Gastrointestinal Physiology	3
PYS 204	Cardiovascular and Respiratory Physiology	3

MRH 121	Electrophysics	3
SOC 001	Fundamentals of Human Behaviour	2
MRH 204	Theory and Practice of Movement	3
MRH 205	Principles and Practice of Electrotherapy (Physiotherapy Option)	6
MRH 206	Principles and Practice of Massage (Physiotherapy Option)	6
MRH 207A	Clinical experience in Physiotherapy (Physiotherapy Option)	6
MRH 207B	Clinical experience in Occupational Therapy (Occupational Therapy Option)	6
MRH 209	Assessment in Occupational Therapy (Occupational Therapy Option)	4
MRH 208	Organization and Administration in Occupational Therapy Department (Occupational Therapy Option)	

**1<sup>ST</sup> SEMESTER 300 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT UNIT</b>	<b>TYPE</b>	<b>SEMESTER</b>
MRH 351	Biomechanics	3	Compulsory	1 <sup>st</sup>
PYS 301	Endocrinology & Reproductive Physiology	2	Required	1 <sup>st</sup>
PYS 302	Neuro-Physiology	3	Required	1 <sup>st</sup>
PYS 303	Special Senses	1	Required	1 <sup>st</sup>
BIC 302	Special Topics in Biochemistry	4	Required	1 <sup>st</sup>
NS 215	Nursing in Medical Rehabilitation	2	Required	1 <sup>st</sup>
GS 207	Humanities	2	Required	1 <sup>st</sup>
MRH 301	Communication Skills	2	Required	1 <sup>st</sup>
MRH 304	Physical and Occupational Therapy in Surgical Conditions	3	Compulsory	1 <sup>st</sup>
MRH 303	Physical and Occupational Therapy in Medical Conditions	3	Compulsory	1 <sup>st</sup>
MRH 305	Prosthetics and Orthotics	2	Required	1 <sup>st</sup>
<b>TOTAL CREDIT UNITS FOR 1<sup>ST</sup> SEMESTER IS 27 UNITS</b>				

**2<sup>ND</sup> SEMESTER 300 LEVEL OF BACHELOR OF MEDICAL  
REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT UNIT</b>	<b>TYPE</b>	<b>SEMESTER</b>
MRH 351	Kinesiology in Rehabilitation (Physiotherapy Option)	3	Compulsory	2 <sup>nd</sup>
MRH 381	Introduction to Clinicals	3	Compulsory	2 <sup>nd</sup>
PAT 301	Introductory General Pathology	2	Required	2 <sup>nd</sup>
GS 208	Humanities II	2	Required	2 <sup>nd</sup>
MRH 382	Introduction to Clinical Research Methodology in Physical and Occupational Therapy	2	Required	2 <sup>nd</sup>
PCOL 341	Introductory Pharmacology	2	Required	2 <sup>nd</sup>
MRH 310	Theory and Practice of Manipulative Therapy (Physiotherapy Option)	3	Compulsory	2 <sup>nd</sup>
MRH 307A	Clinical experience in Physiotherapy (Physiotherapy Option)	3	Compulsory	2 <sup>nd</sup>
MRH 307B	Clinical experience in Occupational Therapy Occupational Therapy Option)	3	Compulsory	2 <sup>nd</sup>
MRH 309	Neuromuscular Integration (Occupational Therapy Option)	2	Required	2 <sup>nd</sup>
MRH 311	Methods in Occupational Therapy (Occupational Therapy Option)	2	Required	2 <sup>nd</sup>
MRH 312	Occupational Therapy for Neuromuscular Disorders (Occupational Therapy Option)	2	Required	2 <sup>nd</sup>
<b>TOTAL CREDIT UNITS FOR 2<sup>ND</sup> SEMESTER IS 20 UNITS FOR PHYSIOTHERAPY OPTION STUDENTS AND 23 UNITS FOR OCCUPATIONAL THERAPY OPTION STUDENTS</b>				

**1<sup>ST</sup> AND 2<sup>ND</sup> SEMESTER 300 LEVEL OF BACHELOR OF MEDICAL REHABILITATION**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT UNIT</b>	<b>TYPE</b>	<b>SEMESTER</b>
MRH 351	Biomechanics	3	Compulsory	1 <sup>st</sup>
PYS 301	Endocrinology & Reproductive Physiology	2	Required	1 <sup>st</sup>
PYS 302	Neuro-Physiology	3	Required	1 <sup>st</sup>
PYS 303	Special Senses	1	Required	1 <sup>st</sup>
BIC 302	Special Topics in Biochemistry	4	Required	1 <sup>st</sup>
NS 215	Nursing in Medical Rehabilitation	2	Required	1 <sup>st</sup>
GS 207	Humanities	2	Required	1 <sup>st</sup>
MRH 301	Communication Skills	2	Required	1 <sup>st</sup>
MRH 304	Physical and Occupational Therapy in Surgical Conditions	3	Compulsory	1 <sup>st</sup>
MRH 303	Physical and Occupational Therapy in Medical Conditions	3	Compulsory	1 <sup>st</sup>
MRH 305	Prosthetics and Orthotics	2	Required	1 <sup>st</sup>
MRH 351	Kinesiology in Rehabilitation (Physiotherapy Option)	3	Compulsory	2 <sup>nd</sup>
MRH 381	Introduction to Clinicals	3	Compulsory	2 <sup>nd</sup>
PAT 301	Introductory General Pathology	2	Required	2 <sup>nd</sup>
GS 208	Humanities II	2	Required	2 <sup>nd</sup>
MRH 382	Introduction to Clinical Research Methodology in Physical and Occupational Therapy	2	Required	2 <sup>nd</sup>
PCOL 341	Introductory Pharmacology	2	Required	2 <sup>nd</sup>
MRH 310	Theory and Practice of Manipulative Therapy (Physiotherapy Option)	3	Compulsory	2 <sup>nd</sup>
MRH 307A	Clinical experience in Physiotherapy	3	Compulsory	2 <sup>nd</sup>

	(Physiotherapy Option)			
MRH 307B	Clinical experience in Occupational Therapy (Occupational Therapy Option)	3	Compulsory	2 <sup>nd</sup>
MRH 309	Neuromuscular Integration (Occupational Therapy Option)	2	Required	2 <sup>nd</sup>
MRH 311	Methods in Occupational Therapy (Occupational Therapy Option)	2	Required	2 <sup>nd</sup>
MRH 312	Occupational Therapy for Neuromuscular Disorders (Occupational Therapy Option)	2	Required	2 <sup>nd</sup>
<b>GRAND TOTAL FOR 300 LEVEL IS 47 UNITS FOR PHYSIOTHERAPY OPTION STUDENTS AND 50 UNITS FOR OCCUPATIONAL THERAPY OPTION STUDENTS</b>				

### **300 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b><u>COURSE CODE</u></b>	<b><u>COURSE TITLE</u></b>	<b><u>CREDIT UNITS</u></b>
MRH 351	Biomechanics	3
PYS 301	Endocrinology and Reproductive Physiology	2
PYS 302	Neuro-Physiology	3
PYS 303	Special Senses	1
BIC 302	Special Topics in Biochemistry	4
NS 215	Nursing in Medical Rehabilitation	2
GS 207	Humanities	2
MRH 301	Communication Skills	2
MRH 304	Physical and Occupational Therapy in Surgical Conditions	3
MRH 303	Physical and Occupational Therapy in Medical Conditions	3
MRH 305	Prosthetics and Orthotics	2
MRH 351	Kinesiology in Rehabilitation (Physiotherapy Option)	3
MRH 381	Introduction to Clinicals	3
PAT 301	Introductory General Pathology	2
GN 208	Humanities II	2
MRH 382	Introduction to Clinical Research Methodology in Physical and Occupational Therapy	2

PCOL 341	Introductory Pharmacology	2
MRH 310	Theory and Practice of Manipulative Therapy (Physiotherapy Option)	3
MRH 307A	Clinical experience in Physiotherapy (Physiotherapy Option)	3
MRH 307B	Clinical experience in Occupational Therapy (Occupational Therapy Option)	3



**1<sup>ST</sup> SEMESTER 400 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT UNIT</b>	<b>TYPE</b>	<b>SEMESTER</b>
MRH 411	Respiratory Therapy	3	Compulsory	1 <sup>st</sup>
MRH 407A	Clinical experience in Physiotherapy (Physiotherapy Option)	3	Compulsory	1 <sup>st</sup>
MRH 407B	Clinical experience in Occupational Therapy (Occupational Therapy Option)	3	Compulsory	1 <sup>st</sup>
MRH 408	Aids to Daily Living	2	Required	1 <sup>st</sup>
MRH 406	Neuro-Physiological Bases of Therapeutic Exercise	3	Compulsory	1 <sup>st</sup>
MRH 401	Special Topics Seminar	3	Compulsory	1 <sup>st</sup>
MRH 405	Directed Study	3	Required	1 <sup>st</sup>
<b>TOTAL CREDIT UNITS FOR 1<sup>ST</sup> SEMESTER IS 17 UNITS FOR BOTH STUDENTS OF PHYSIOTHERAPY OPTION AND OCCUPATIONAL THERAPY OPTION</b>				

**2<sup>ND</sup> SEMESTER 400 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT UNIT</b>	<b>TYPE</b>	<b>SEMESTER</b>
MRH 441	Exercise Therapy	4	Compulsory	2 <sup>nd</sup>
MRH 462	Speech Therapy	2	Compulsory	2 <sup>nd</sup>
MRH 471	Introduction to Medical Rehabilitation Service Planning	2	Compulsory	2 <sup>nd</sup>
MRH 481	Clinical Posting I	4	Compulsory	2 <sup>nd</sup>
MRH 442	Practicals on Exercise Therapy	4	Compulsory	2 <sup>nd</sup>
<b>TOTAL CREDIT UNITS FOR 2<sup>ND</sup> SEMESTER IS 16</b>				

**1<sup>ST</sup> AND 2<sup>ND</sup> SEMESTER 400 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT UNIT</b>	<b>TYPE</b>	<b>SEMESTER</b>
MRH 411	Respiratory Therapy	3	Compulsory	1 <sup>st</sup>
MRH 407A	Clinical experience in Physiotherapy (Physiotherapy Option)	3	Compulsory	1 <sup>st</sup>
MRH 407B	Clinical experience in Occupational Therapy (Occupational Therapy Option)	3	Compulsory	1 <sup>st</sup>
MRH 408	Aids to Daily Living	2	Required	1 <sup>st</sup>
MRH 406	Neuro-Physiological Bases of Therapeutic Exercise	3	Compulsory	1 <sup>st</sup>
MRH 401	Special Topics Seminar	3	Compulsory	1 <sup>st</sup>
MRH 405	Directed Study	3	Required	1 <sup>st</sup>
MRH 441	Exercise Therapy	4	Compulsory	2 <sup>nd</sup>
MRH 462	Speech Therapy	2	Compulsory	2 <sup>nd</sup>
MRH 471	Introduction to Medical Rehabilitation Service Planning	2	Compulsory	2 <sup>nd</sup>
MRH 481	Clinical Posting I	4	Compulsory	2 <sup>nd</sup>
MRH 442	Practicals on Exercise Therapy	4	Compulsory	2 <sup>nd</sup>
<b>GRAND TOTAL FOR 400 LEVEL IS 33 UNITS</b>				

## **400 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b><u>COURSE CODE</u></b>	<b><u>COURSE TITLE</u></b>	<b><u>CREDIT UNIT</u></b>
MRH 411	Respiratory Therapy	3
MRH 407A	Clinical experience in Physiotherapy (Physiotherapy Option)	3
MRH 407B	Clinical experience in Occupational Therapy (Occupational Therapy Option)	3
MRH 408	Aids to Daily Living	2
MRH 406	Neuro-Physiological Bases of Therapeutic Exercise	3
MRH 401	Special Topics Seminar	3
MRH 405	Directed Study	3
MRH 441	Exercise Therapy	4
MRH 462	Speech Therapy (Occupational Therapy Option)	2
MRH 471	Introduction to Medical Rehabilitation Service Planning	2
MRH 481	Clinical Posting I	4
MRH 442	Practicals on Exercise Therapy	4

**1<sup>ST</sup> SEMESTER 500 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT UNIT</b>	<b>TYPE</b>	<b>SEMESTER</b>
MRH 541	Hydrotherapy	2	Compulsory	1 <sup>st</sup>
MRH 582	Clinical Administration and Ethics	2	Compulsory	1 <sup>st</sup>
MRH 581	Seminars	2	Compulsory	1 <sup>st</sup>
MRH 503	Medical & Surgical Conditions II	4	Compulsory	1 <sup>st</sup>
MRH 504	Medical & Surgical Conditions III	3	Compulsory	1 <sup>st</sup>
MRH 505	Medical & Surgical Conditions IV	3	Compulsory	1 <sup>st</sup>
<b>TOTAL CREDIT UNITS FOR 1<sup>ST</sup> SEMESTER IS 16 UNITS</b>				

**2<sup>ND</sup> SEMESTER 500 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT UNIT</b>	<b>TYPE</b>	<b>SEMESTER</b>
MRH 582	Community-Based Rehabilitation	3	Compulsory	2 <sup>nd</sup>
MRH 584	Clinical Postings II	4	Compulsory	2 <sup>nd</sup>
MRH 585	Clinical Postings III	4	Compulsory	2 <sup>nd</sup>
MRH 586	Clinical Postings IV	4	Compulsory	2 <sup>nd</sup>
MRH 591	Project	4	Compulsory	2 <sup>nd</sup>
<b>TOTAL CREDIT UNITS FOR 2<sup>ND</sup> SEMESTER IS 19 UNITS</b>				

**1<sup>ST</sup> AND 2<sup>ND</sup> SEMESTER 500 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT UNIT</b>	<b>TYPE</b>	<b>SEMESTER</b>
MRH 541	Hydrotherapy	2	Compulsory	1 <sup>st</sup>
MRH 582	Clinical Administration and Ethics	2	Compulsory	1 <sup>st</sup>
MRH 581	Seminars	2	Compulsory	1 <sup>st</sup>
MRH 503	Medical & Surgical Conditions II	4	Compulsory	1 <sup>st</sup>
MRH 504	Medical & Surgical Conditions III	3	Compulsory	1 <sup>st</sup>
MRH 505	Medical & Surgical Conditions IV	3	Compulsory	1 <sup>st</sup>
MRH 582	Community-Based Rehabilitation	3	Compulsory	2 <sup>nd</sup>
MRH 584	Clinical Postings II	4	Compulsory	2 <sup>nd</sup>
MRH 585	Clinical Postings III	4	Compulsory	2 <sup>nd</sup>
MRH 586	Clinical Postings IV	4	Compulsory	2 <sup>nd</sup>
MRH 591	Project	4	Compulsory	2 <sup>nd</sup>
<b>GRAND TOTAL FOR 500 LEVEL IS 35 UNITS</b>				

## **500 LEVEL OF BACHELOR OF MEDICAL REHABILITATION (BMR)**

<b><u>COURSE CODE</u></b>	<b><u>COURSE TITLE</u></b>	<b><u>CREDIT UNIT</u></b>
MRH 541	Hydrotherapy	2
MRH 582	Clinical Administration and Ethics	2
MRH 581	Seminars	2
MRH 503	Medical and Surgical Conditions II	4
MRH 504	Medical and Surgical Conditions III	3
MRH 505	Medical and Surgical Conditions IV	3
MRH 582	Community-Based Rehabilitation	3
MRH 584	Clinical Postings II	4
MRH 585	Clinical Postings III	4
MRH 586	Clinical Postings IV	4
MRH 591	Project	4