

**REGULATIONS & COURSES OF STUDIES OF 2 YEARS
MASTER OF PHYSIOTHERAPY (MPT): 2023**



**THE ODISHA UNIVERSITY OF HEALTH SCIENCES,
BHUBANESWAR- 751009**

REGULATIONS & COURSES OF STUDIES FOR THE 2 YEARS MASTER OF PHYSIOTHERAPY (MPT) (ALL 7- SPECIALITY) DEGREE - 2023

- 1. Title and commencement of the Program:**
 - (a) These regulations may be called "Master of Physiotherapy (In short MPT) Regulations 2023".
 - (b) They shall come into force from the current academic year 2023-24.
 - (c) The Regulations and courses of studies prescribed are subject to modification by the Academic Council and Executive Board of the Odisha University of Health Sciences, Bhubaneswar from time to time.
- 2. Introduction:** Physiotherapy is concerned with human function and movement and maximising physical potential. It is concerned with identifying and maximising quality of life and movement potential within the spheres of promotion, prevention, treatment / intervention, habilitation and rehabilitation. Physiotherapy helps to restore movement and function when someone is affected by injury, illness or disability. It can also help to reduce risk of injury or illness in the future. Physical forces like heat, electricity, mechanical pressure, and mechanical forces are used in physiotherapy to treat patients.

Physiotherapy courses focus more on practical and hands-on education about treating joint and muscular impairments. Physiotherapy is a form of treatment to aid injuries, disabilities and any other form of deformities through movement and manual therapy. Physiotherapists use methods like massages, heat therapy, and exercises to treat patients.

This course aims to deepen students' understanding of human anatomy, physiology, biomechanics, and the principles of rehabilitation. It emphasizes hands-on learning, enabling you to develop expertise in physiotherapy assessment, diagnosis, and advanced techniques across all specialities in Rehabilitation, Musculoskeletal Conditions (Orthopaedics), Paediatrics, Neurology, Cardio Pulmonary Disorder, Sports Science and Biomechanics. During the program, the learner will learn a wide range of techniques, including manual therapy, neurological techniques, ICU techniques, sports physiotherapy etc. This diverse skill set will make the learner a versatile and sought-after professional. By mastering these techniques, you will acquire specialized skills that are highly valued in the field of physiotherapy.

- 3. Goal:** Throughout a person's life, the goal of physiotherapy is to restore maximum movement and functional ability.
- 4. Objective:** The objective is to:
 - (i) Provide honest, competent and accountable physiotherapy services to the community,
 - (ii) Enable student to gain adequate knowledge, skills and clinical hands-on experience leading to an ability to establish independent professional practice in the specialized areas of interest.
 - (iii) Prepare for ethical, evidence-based, efficient treatment of adult as well as paediatric patients / clients with an array of conditions (e.g. musculoskeletal, neuromuscular, cardiovascular / pulmonary, integumentary etc) across the lifespan and the continuum of care, to all people irrespective of gender, caste, nation, states and territories, region, minority groups or other groups.
 - (iv) Promote the health and wellbeing of individuals and the general public / society, emphasizing the importance of physical activity and exercise.
 - (v) Prevent impairments, activity limitations, participatory restrictions and disabilities in

individuals at risk of altered movement behaviors due to health factors, socio-economic stressors, environmental factors and lifestyle factors.

5. Eligibility and admission to the Course:

- (i) Bachelor in Physiotherapy or Bachelor of Science in Physiotherapy recognised by any Indian University with 50% in aggregate.
- (ii) Certificate: Every candidate before admission to the course shall be required to submit College Leaving Certificate, Migration Certificate (if applicable) in original, Physical Fitness Certificate and a declaration before the Principal / Director of the Institution that
 - (a) I am not continuing in any Degree Course under any State, Deemed, Central University and Autonomous Body.
 - (b) I am not continuing in any position under any state or central government and shall join during the continuation of this course.
 - (c) I have not been involved in any kind of criminal and unlawful activities in the past.

Provided, the guidelines prescribed from time to time by the Government in Health & Family Welfare Department, Odisha pertaining to enrolment of candidates to the course shall be binding on all colleges / institutions.

Provided further, after fulfilment of all condition (s), the University on receipt of student detail with prescribed fees, shall issue University Registration Number as per OUHS First Statute-2023, which shall be used as Roll Number for all Examination (s).

6. Duration: The duration of the programme is of two years including compulsory submission of dissertation and clinical practice, which can be completed in a maximum of 4 years from the date of admission to the programme.

7. Medium of instruction: English shall be the medium of instruction for all the subjects of study and for examination of the course.

8. Commencement of the Course: The course will commence from August / September 1st of every year.

9. Academic Year: The academic year shall be twelve months and commencing on the first day of enrolment into the course.

10. Attendance: The component wise attendance percentage shall be as under;

| Subjects | Eligibility criteria |
|---------------------------------------|----------------------|
| Subjects taught in one phase (Theory) | 80 % |
| Clinical / Practical Training | 100 % |

11. Course Cycle, Codes and Structure: The two-year full-time programme. There shall be 11 (Eleven) Numbers of Theory, Practical / Clinical including Dissertation in all two years. The total marks for the Course is **1150**.

The total number of digits used as subject code in the course is 08 (Eight).

- i. The 1st two digits (Numerical) indicates the Year of Courses of Studies.
- ii. The 3rd, 4th & 5th digits (Letters) indicate the Course Code "MPT".
- iii. The 6th digit (Numerical) indicates the sequence of the Year.
- iv. The 7th & 8th digits (Numerical, Numerical and Letter) indicate sequence of the Theory Subject (s) of the Year, and Speciality or Practical.

Table No 01 Course Structure:

| Sub Code | Sub Title | Contact Hours | | Internal Assessment | | U- Assessment | | Total |
|-------------|--------------------------------------------------------------------------------------------------|---------------|----------------------|---------------------|-------------|---------------|-----------------|-------|
| | | Theory | Practical / Clinical | SE | Prac / Viva | Theory | Prac / Oral | |
| First Year | | | | | | | | |
| 23MPT101* | Physiotherapy Process & Practice | 90 | 20 | 20 | -- | 80 | -- | 100 |
| 23MPT102* | Research Methodology & Biostatistics | 90 | 20 | 10 | -- | 40 | -- | 50 |
| 23MPT103* | Biomechanics & Therapeutics | 90 | -- | 20 | -- | 80 | | 100 |
| 23MPT1 | Specialty Paper- I (Physiotherapeutic perspective in _____) | 120 | 120 | 20 | -- | 80 | | 100 |
| 23MPT1P1 | Biomechanics & Therapeutics | -- | 120 | -- | 20 | -- | 80 ** | 100 |
| | Skill Acquisition & Refinement (Teaching Assessment, Seminars, Journal Club & Case Studies etc.) | -- | 240 | -- | -- | -- | -- | -- |
| | Dissertation | -- | 240 | -- | -- | -- | -- | -- |
| | Clinical Training | -- | 540 | -- | -- | -- | -- | -- |
| Total | | 390 | 1260 | 70 | 20 | 280 | 80 | 450 |
| Second Year | | | | | | | | |
| 23MPT201 * | Exercise Physiology | 90 | -- | 20 | -- | 80 | -- | 100 |
| 23MPT | Specialty Paper – II Physiotherapy Assessment in _____ | 120 | -- | 20 | -- | 80 | -- | 100 |
| 23MPT | Specialty Paper- III Physiotherapy in Clinical _____) | 120 | -- | 20 | -- | 80 | | 100 |
| 23MPT | Practical Paper – II Physiotherapy Assessment in _____ | | 120 | -- | 20 | | 80** (50+30) | 100 |
| 23MPT | Practical Paper- III Physiotherapy in Clinical _____ | | 120 | -- | 20 | -- | 80** (50+30) | 100 |
| 23MPT2DP | Dissertation & Project Report | -- | 720 | -- | -- | -- | 100 | 100 |
| | Skill Acquisition & Refinement (Teaching Assessment, Seminars, Journal Club & Case Studies etc.) | - | 240 | -- | - | -- | | |
| | Clinical Training | | 540 | | | | | |
| Total | | 330 | 1740 | 60 | 40 | 240 | 260 | 600 |
| Grand Total | | | | | | | | 1050 |

* Common Subject for all Specialties, and ** (50 Marks-Presentation + 30 Marks- Oral Viva)

SPECIALITIES

(i) Rehabilitation:

First Year

23MPT1R1

Physiotherapy perspective in Rehabilitation.

Second Year

23MPT2R2

Physiotherapy Assessment in Rehabilitation.

| | |
|----------|---------------------------------------------|
| 23MPT2R3 | Assessment & Diagnosis of Rehabilitation. |
| 23MPT2P1 | Physiotherapy Assessment in Rehabilitation. |
| 23MPT2P2 | Assessment & Diagnosis of Rehabilitation. |

(ii) Musculoskeletal Conditions:

First Year

23MPT1M1 Physiotherapy perspective in Musculoskeletal Conditions.

Second Year

23MPT2M2 Physiotherapy Assessment in Musculoskeletal Conditions.

23MPT2M3 Assessment & Diagnosis of Musculoskeletal Conditions.

23MPT2P1 Physiotherapy Assessment in Musculoskeletal Conditions.

23MPT2P2 Assessment & Diagnosis of Musculoskeletal Conditions.

(iii) Pediatrics:

First Year

23MPT1P1 Physiotherapy perspective in Pediatrics.

Second Year

23MPT2P2 Physiotherapy Assessment in Pediatrics.

23MPT2P3 Assessment & Diagnosis of Pediatrics.

23MPT2P1 Physiotherapy Assessment in Pediatrics.

23MPT2P2 Assessment & Diagnosis of Pediatrics.

(iv) Neurology:

First Year

23MPT1N1 Physiotherapy perspective in Neurology.

Second Year

23MPT2N2 Physiotherapy Assessment in Neurology.

23MPT2N3 Assessment & Diagnosis of Neurology.

23MPT2N1 Physiotherapy Assessment in Neurology.

23MPT2N2 Assessment & Diagnosis of Neurology.

(v) Cardio-Pulmonary Disorder:

First Year

23MPT1C1 Physiotherapy perspective in Cardio-Pulmonary Disorder.

Second Year

23MPT2C2 Physiotherapy Assessment in Cardio-Pulmonary Disorder.

23MPT2C3 Assessment & Diagnosis of Cardio-Pulmonary Disorder.

23MPT2C1 Physiotherapy Assessment in Cardio-Pulmonary Disorder.

23MPT2C2 Assessment & Diagnosis of Cardio-Pulmonary Disorder.

(vi) Sports Science:

First Year

23MPT1S1 Physiotherapy perspective in Sports Science.

Second Year

23MPT2S2 Physiotherapy Assessment in Sports Science.

23MPT2S3 Assessment & Diagnosis of Sports Science.

23MPT2S1 Physiotherapy Assessment in Sports Science.

23MPT2S2 Assessment & Diagnosis of Sports Science.

| | | |
|-------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (vii) | Biomechanics: First Year 23MPT1B1 Second Year 23MPT2B2 23MPT2B3 23MPT2B1 23MPT2B2 | Physiotherapy perspective in Biomechanics. Physiotherapy Assessment in Biomechanics. Assessment & Diagnosis of Biomechanics. Physiotherapy Assessment in Biomechanics. Assessment & Diagnosis of Biomechanics. |
|-------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

12. Plan of Studies (Teaching, Training & Practice): The teaching and training shall be on a full-time pattern with graded responsibilities in the management and treatment of patients entrusted to his / her care. The plan of studies consists of classroom lectures, practical and laboratory demonstrations, bed side clinics, discussions, self-directed academic activities and clinical postings. Every candidate required to take part in seminars, group discussions, clinical rounds, case demonstrations, clinics, journal review meetings etc. In addition, shall be required work, prepare, and submit a Dissertation in the speciality and is mandatory.

12.1. First Year: A student admitted in a speciality will be required to study - theory, undertake training, practical, clinical postings etc for 1650 clock hours. During the first year, s/he shall be required to study in Physiotherapy Process & Practice, Research Methodology & Biostatistics, and Biomechanics & Therapeutics. In addition, s/he shall be required to study one paper of his / her Speciality enrolled in, and clinical training of 540 hours. There shall be one practical paper of Biomechanics & Therapeutics. Besides, s/he will devote 240 clock hours to for skill acquisition & refinement (Teaching, Assessment, Seminars, Journal Club, and Case Studies. Further, s/he shall involve him / herself for 240 hours in identification of an area for undertaking his / her dissertation work which will be submitted in the second year.

Provided, activity (s) of second year will start from first year but assessment shall be made in the second year only.

12.2. Second Year: A student will be required to undertake theory, training, practical, clinical postings etc for 2070 clock hours. During second year, s/he shall study the compulsory paper Exercise Physiology, and Paper II and II respectively - Physiotherapy Assessment, and Physiotherapy in Clinical of Speciality, and Clinical training. Besides, s/he will devote 240 clock hours to for skill acquisition & refinement (Teaching, Assessment, Seminars, Journal Club, and Case Studies. Further, s/he shall involve him / herself for 720 hours in preparation of his / her Dissertation & Project Report which will be submitted for approval by the Institutional Research Committee. After approval of the Dissertation Report, it shall be evaluated by an External Examiner. The submission and acceptance / pass shall form a pre-requisite to register / for being eligible to appear 2nd Year Annual Examination.

12.2.1. Dissertation: Every candidate is required to carry out work on a selected research work in his / her speciality under the guidance of a regular postgraduate teacher of the conducting College / Institution. The Institutional Research Committee will consist of the Head of the Department, all regular member faculties of the Department, and University nominees in respective areas of speciality. Dissertation thus prepared shall be submitted to the Head of the Department of the College / Institution who in turn will place before the Institutional Research Committee, and upon acceptance, it shall be sent for evaluation (report and comprehensive viva voce) by an external examiner appointed by the University. Dissertation once defended need not be defended at successive examination attempts.

13. Scheme of Internal Assessments, Practical / Clinical, and passing criteria:

13.1. Theory & Practical / Clinical:

- (i) There shall be a minimum of 2 periodic assessments, for theory and practical including viva separately, and are mandatory for the student.
- (ii) Average of the marks of the best two periodic assessment shall be taken as internal assessment mark of the candidate.
- (iii) The class average of internal assessments mark of theory and practical should not exceed 80 % of Maximum marks.
- (iv) The class average of internal assessment for an examination shall be calculated based on the total number of candidates in a particular batch appearing for that internal assessment examination.
- (v) The candidate must secure the minimum 50 % marks for internal assessment in theory and practical separately in each subject in order to be eligible to appear in the university examination of the Year.
- (vi) Each student should maintain a logbook and record the procedures they do and the work patterns they are undergoing. It shall be based on periodical assessment, evaluation of student assignment, preparation for seminar, clinical case presentation, assessment of candidate's performance in the sessional examinations, routine clinical works, logbook and record keeping etc.

14. Eligibility criterions for appearing University Examinations:

A candidate shall be eligible to carry forward all the courses if a s/he fulfills the following criterions and hereafter prescribed under Regulation 18.1.

In addition,

- (i) Attended 80 % theory and 100% Clinical / Practical training classes,
- (ii) Passed in Internal Assessment (s) with minimum 50% marks, and
- (iii) Acceptance of Dissertation Report to be eligible for registering 2nd Year Annual Examination,
- (iv) Have passed minimum two theory subjects with practical / clinicals in the 1st Year Examination, and
- (v) Not been debarred for any objectionable mis-conduct or malpractice by the Institution, and University.

15. Examinations [University (Theory & Practical / Clinical)]:

15.1. There shall be annual examination at the end of each academic year. A candidate securing a minimum of 50% marks in internal assessments of individual subjects and 50% marks in internal clinical evaluations (clinical assessment, client contact hours and internal viva) to be conducted by the College / Institution will only be eligible and allowed to appear for university examinations of the respective year.

Provided, the College / Institution shall submit the internal marks to the University before registering the eligible students for appearing annual examinations of the year. In the event, a College / Institution fail or does not submit the mark (s) before the cut-off date, it shall be treated that no examination (s) have been conducted, and thereby the students shall not be allowed to register for respective University annual Examinations.

15.2. Theory examinations: Each theory paper of the examinations conducted by the University shall be valued by external examiner appointed by the University, and marks rounded to the next integer shall be awarded to the candidate.

15.3. Clinical / Practical Examinations: The University practical / clinical Examination (s) carrying 75 (Seventy-five) marks shall be conducted by one internal examiner and one external examiner (s) appointed by the University.

16. Registration: A candidate shall be eligible to register for Annual (Regular / Back) Examination only when s/he has fulfilled college and corresponding university criterions.

- (i) The College / Institution shall register the subjects of eligible students with the University on payment of a fee as to be notified by the University towards conduct of Regular / Back Theory examinations. The College / Institution shall retain 15 % of the University Examinations fees to meet the expenditure of Examination Centre. However, such retention of fees shall not be applicable in case of Back Paper or Supplementary Examinations.
- (ii) The College / Institution shall follow uniform Question pattern / template / Answer Booklets and Records for conducting Internal Assessment and Clinical / Practical Tests.

17. Passing Heads: The passing head (Theory and Practical / Practicum) is as under;

- (i) A Student is required to obtain a minimum of 50% in each of the theory papers, internal assessment, practical and clinical exams for a pass.
- (ii) A Students will not be able to appear for University theory exam if they do not pass in their practical, internal assessment or clinical component.
- (iii) A Students will have to pass the clinical examination of the given year to proceed to the next year.
- (iv) A candidate failing in one or more subject (s) shall appear for the subject (s) as a whole in the next appearance (i.e. Theory, Practical, and Viva).
- (v) A student shall be declared to have passed the examination if he/she obtains the following minimum qualifying marks: -
 - (a) 50% of Marks in Internal Assessment (I.A) – Theory & Practical / Clinical.
 - (b) 50% of Marks in the University Practical / Clinical Examination.
 - (c) 50% of Marks in the University Theory Examination,
 - (d) Fail in University Clinical / Practical subject Examination (s) shall be treated as fail in Theory of the Subject.
 - (e) 80% marks- for acceptance of Dissertation.

18. Promotion to Higher Year, Re-admission after discontinuation or Break of Study into the Course:

- (i) A candidate having 80% attendance in theory and 100% in practical in all the subjects,
- (ii) Passed in internal assessment, registered and appeared the 1st Year subjects (Theory & Clinical / Practical) will be allowed to keep terms up to 2nd Year.
- (iii) The candidate shall be promoted to second year examinations only after clearing minimum two theory subject and all practical papers of 1st year Examinations.
- (iv) The candidates shall be eligible for registering 2nd Year Annual Examinations provided s/he has passed all practical internal assessments, submitted and Passed in Dissertation & Project Report on or before the notification for the Annual Examinations.

18.1. A candidate will be allowed for re-admission;

- a) If s/he did / could not register for the 1st year Annual Examinations.
- b) If the candidate is eligible, and has permissible tenure to complete the remaining tenure / years of four year to complete the course.

Provided further, s/he shall be required to apply in the prescribed form with fees as prescribed for the purpose, and shall be admitted in the course in force (Dual Syllabus).

19. Supplementary Examination: There will be a supplementary examination for final year theory subjects within three months from the date of publication of 2nd year annual examination to extend a chance to clear the failed theory subjects of 2nd year if any only. However, a candidate shall not be eligible; if s/he has not registered for the 2nd Year Annual Examinations, or not being eligible to register and accordingly has not appeared the respective years Annual Examinations.

A student having more backlog after availing the chance, shall not be allowed to re-appear in the subsequent years Supplementary Examination meant for the regular final year students only. Such student (s) will be allowed re-appear back theory subjects only with the student in Regular Examinations.

20. Classification of successful candidates and award of Degree: The University shall adopt Marking and division practice.

20.1. Candidate will be awarded division after successful completion and internship at the end of four and half years. The percentage of marks will be calculated from aggregate of total marks obtained in all the four years University examinations.

- (i) First Class with Distinction: 75 % and above in aggregate of marks of all subjects including theory, clinical / practical with Internship -Project in the first attempt.
- (ii) First Division - 60% and above in the aggregate marks of all subjects.
- (ii) Second Division – 50% or more but less than 60% in the aggregate of marks of all subjects.

20.2. A candidate will be awarded Master Degree in Physiotherapy in Speciality (M.P.T in Speciality) to a candidate who complete the prescribed period, two academic year's courses of Studies, and has passed in all subjects (Theory, Practical / Clinical and Compulsory Dissertation).

21. Record and Evaluation Guidelines: The Practical Answer Booklet, Project Assignment / Record Book shall be as per the guidelines to be issued and to be strictly followed by the Examiners while assessing a practical component.

22. Withdrawal from Course, Struck off from the rolls of the College / Institution Admitted and withdrawal of Degree:

22.1. The University upon application, shall cancel the registration number issued to the candidate, and issue migration certificate on payment of fee as to be prescribed by the University.

22.2. Any student who does not clear the Master of Physiotherapy Course in all the subjects within a period of 4 years (from the year of admission / academic year shall be discharged from the course.

22.3. Any student found to have obtained admission in fraudulent manner, if the documents furnished for gaining admission by any student are found to be forged / false / doctored at any stage of study.

22.4. If any student is found to be involved in serious breach of discipline.

22.5. A degree awarded by the University may be withdrawn if it is found at the later stage that the candidate has submitted any forged document or ineligible at the time of admission to the course.

23. Medal (s), Award (s) & Prize (s): The University shall notify as and when decided by the Academic Council and Executive Body from time to time.

24. Discretionary Power: Notwithstanding anything contained in the above, in case of any doubt or difficulty as to the interpretation of these Regulation (s), the matter shall be referred to the Vice Chancellor and his / her decision in this behalf, subject to the provisions of the OUHS Act - 2021, and OUHS 1st Statute - 2023 shall be final.



Registration no:

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| | | |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------|
| Total Number of Pages: (XX) | | Course: MPT |
| | | SUB_CODE: |
| (--- th) Year Regular / Back Examination: 20 | | |
| SUBJECT NAME: | | |
| BRANCH: | | |
| Max Time: 3 Hours | | Sitting: 1st 10.00 AM to 1.00 PM |
| Max Marks: 80 | | |
| Q. CODE: (To be allotted by the University) | | |
| All Questions are compulsory. Illustrate answer with diagrams wherever relevant / required | | |
| The figures in the right-hand margin indicate marks. | | |
| (Attend four long questions out of seven, and short questions any five out of eight) | | |
| Q 1 | Long Answer Question | (1 X 15 marks) |
| Q 2 | Long Answer Question | (1 X 15 marks) |
| Q 3 | Long Answer Question | (1 X 15 marks) |
| Q 4 | Long Answer Question | (1 X 15 marks) |
| Q 5 | Long Answer Question | (1 X 15 marks) |
| Q 6 | Long Answer Question | (1 X 15 marks) |
| Q 7 | Short Answer Questions (Answer any five out of eight) | (5 x 4 marks) |
| a) | | |
| b) | | |
| c) | | |
| d) | | |
| e) | | |
| f) | | |
| g) | | |
| h) | | |

Annexure- A (Series)

Registration no:

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
|--|--|--|--|--|--|--|--|

| | |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Total Number of Pages: (XX) | Course: MPT |
| | SUB_CODE: |
| (---th) Year Regular / Back Examination: 20 | |
| SUBJECT NAME: | |
| BRANCH: | |
| Max Time: 1 ½ Hours | Sitting: 1st 10.00 AM to 11.30 AM |
| Max Marks: 40 | |
| Q. CODE: (To be allotted by the University) | |
| All Questions are compulsory. Illustrate answer with diagrams wherever relevant / required | |
| The figures in the right-hand margin indicate marks. | |
| (Attend two long questions out of four, and short questions any five out of eight) | |
| Q 1 | Long Answer Question |
| Q 2 | Long Answer Question |
| Q 3 | Long Answer Question |
| Q 4 | Long Answer Question |
| Q 5 | Short Answer Questions (Answer any five out of eight) |
| a) | |
| b) | |
| c) | |
| d) | |
| e) | |
| f) | |
| g) | |
| h) | |

