



INTEGRAL UNIVERSITY, LUCKNOW
INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES
DEPARTMENT OF PHYSIOTHERAPY
MASTER OF PHYSIOTHERAPY
(MPT)
CARDIOPULMONARY
EVALUATION SCHEME
YEAR/ SEMESTER
I/I & I/II
&
PEOs-POs-PSOs



Integral University, Lucknow
Department of Physiotherapy
Study and Evaluation Scheme

Program: MPT (CARDIOPULMONARY)

Semester I

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Max. Marks	Credit	Total Credits
				L	T	P	CT	TA	Total	ESE			
THEORIES													
1	PT501	Basic Health Science	Core	03	1	0	40	20	60	40	100	3:1:0	4
2	PT502	Advanced Electrotherapy and Electro diagnosis	Core	03	1	0	40	20	60	40	100	3:1:0	4
3	PT503	Research Methodology, Biostatistics	Core	03	1	0	40	20	60	40	100	3:1:0	4
4	PT504	Exercise Testing & Prescription	Core	03	1	0	40	20	60	40	100	3:1:0	4
PRACTICAL													
1.	PT505	Seminar on Clinical Issues	Core	00	03	0	50	50	100	00	100	0:3:0	3
2.	PT506	Clinical Training	Core	00	00	14	50	50	100	00	100	0:0:7	7
Total				12	07	14	260	180	440	160	600	26	26

Program: MPT (CARDIOPULMONARY)

Semester II

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Max. Marks	Credit	Total Credits
				L	T	P	CT	TA	Total	ESE			
THEORIES													
1	PT507	Medical& Surgical Condition	Core	03	1	0	40	20	60	40	100	3:1:0	4
2	PT508	Biomechanics and Kinesiology-I	Core	03	1	0	40	20	60	40	100	3:1:0	4
3	PT509C	Physiotherapy-I	Core	03	1	0	40	20	60	40	100	3:1:0	4
PRACTICAL													
1.	PT510	Biomechanics and Kinesiology-I Lab	Core	00	00	02	50	50	100	00	100	0:0:1	1
2.	PT511C	Physiotherapy -I Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1
3.	PT512	Seminar on Clinical Issues	Core	00	03	0	50	50	100	00	100	0:3:0	3
4.	PT513	Clinical Training	Core	00	00	14	50	50	100	00	100	0:0:7	7
Total				9	06	18	310	230	540	160	700	24	24

L: Lecture **T:** Tutorials **P:** Practical **CT:** Class Test **TA:** Teacher Assessment **ESE:** End Semester Examination,
AE= Ability enhancement, **DSE-** Discipline Specific Elective, **Sessional Total:** Class Test + Teacher Assessment **Subject Total:** Sessional Total + End Semester Examination (ESE)

**MASTER OF PHYSIOTHERAPY
(MPT)
CARDIOPULMONARY**



**Program Educational Outcomes
(PEOs)**

Program Educational Outcomes (PEOs)

The overall objective of the physiotherapy Program is to prepare students to practice state of the art physical therapy. To do this, students must become licensed in their legal jurisdiction. The educational goals of the curriculum reflect the knowledge, skills and behaviors expected of program graduates. The graduates of the Integral University physiotherapy program will be expected to:

PE01:	<ul style="list-style-type: none">• Demonstrate knowledge of the theoretical basis of physiotherapy.
PE02:	<ul style="list-style-type: none">• Demonstrate clinical competency in evaluation, treatment planning and implementation.
PE03:	<ul style="list-style-type: none">• Integrate knowledge of basic sciences and physiotherapy in order to modify treatment approaches that reflect the breadth and scope of physiotherapy practice.
PE04:	<ul style="list-style-type: none">• Integrate the use of basic principles of research in critical analysis of concepts and findings generated by self and others.
PE05:	<ul style="list-style-type: none">• Actively recognize the rights and dignity of individuals in planning and administering programs of care.
PE06:	<ul style="list-style-type: none">• Identify with and contribute to the aims and ideals of the profession.
PE07:	<ul style="list-style-type: none">• Function as competent physical therapists in any health care setting.
PE08:	<ul style="list-style-type: none">• Demonstrate command of knowledge which is necessary to function as an independent problem solver and learner in the practice environment.
PE09:	<ul style="list-style-type: none">• Practice in an ethical and legal manner.

**MASTER OF PHYSIOTHERAPY
(MPT)
CARDIOPULMONARY**



**PROGRAMME OUTCOMES
(POs)**

MASTER OF PHYSIOTHERAPY (MPT) PROGRAMME OUTCOMES (POs)

The aim of the course is to provide a comprehensive training to the students that prepare them for providing a quality physiotherapy care to the patients, so that after completion of the course students will be able to match the following outcomes:

P01	<ul style="list-style-type: none"> Acquire in-depth understanding of the structure as well as functions of the human body as it pertains to the specific field of study.
P02	<ul style="list-style-type: none"> Acquire in-depth knowledge of human mobility impairment, its causes, and the principles governing the use of physiotherapeutic interventions to reestablish mobility dysfunction to normalcy.
P03	<ul style="list-style-type: none"> The student will be knowledgeable about treatment planning, management, administration of physiotherapy treatment, and patient support.
P04	<ul style="list-style-type: none"> Demonstrate the ability to deeply accurately assess recent physiotherapeutic and related journal literature and use it to establish diagnostic and therapeutic practices.
P05	<ul style="list-style-type: none"> Exhibit the ability to make clinical decision making (based on evaluation) regarding physiotherapy approach techniques and to select appropriate outcome measures based on a comprehensive knowledge of the specialty.
P06	<ul style="list-style-type: none"> Demonstrate expertise in the management of, multisystem disorders, including movement dysfunction, in the concerned specialty.
P07	<ul style="list-style-type: none"> To conduct independent research within the department and facilitate the department and team in diagnosis and treatment planning.
P08	<ul style="list-style-type: none"> To encouraged pursuing advanced degrees in efforts to progress to leadership levels in the professional field. Furthermore, in order to remain relevant with advances and new technology, professionals should participate in continuing professional education credits offered by national and international institutes.
P09	<ul style="list-style-type: none"> Demonstrate proficiency in creating awareness for healthcare and professional awareness at various levels in the community using newer technology.
P010	<ul style="list-style-type: none"> Demonstrate leadership, managerial, administrative & communication skills.
P011	<ul style="list-style-type: none"> Employment opportunities can be found in both private and public hospitals, as well as independent physiotherapy clinics and teaching institutes.
P012	<ul style="list-style-type: none"> Demonstrate knowledge of regulations pertaining to compensation for functional disability welfare schemes and disabled rights, laws pertaining to industrial workers and disabled, and appropriate certification.

MASTER OF PHYSIOTHERAPY (MPT) CARDIOPULMONARY



**Program Specific Outcomes
(PSOs)**

MASTERS OF PHYSIOTHERAPY-CARDIOPULMONARY PROGRAMME SPECIFIC OUTCOMES (PSOs)

The aim of the course is to provide a comprehensive, training to the student that prepares them for providing a quality physiotherapy care to the patients so that at the end of the course he/she will be able to perform the following:

PSO1	Knowledge and understanding of subject will help the student in planning assessment and diagnosis of the patient with help of various concepts like knowledge of clinical reasoning, screening patients based on special tests and helps them in planning a better rehabilitation of the patient.
PSO2	Recognize and manage neurologic diseases by understanding the principles and essential skills by learning to apply basic cardiopulmonary system knowledge in clinical settings
PSO3	Development of communication skills that will facilitate the clinical interaction with patients, healthcare professionals and their families.
PSO4	Acquiring the knowledge required for the diagnosis and treatment of common acute and chronic cardiopulmonary conditions and improving clinical problem-solving abilities.
PSO5	Begin to comprehend an educational plan for continuous learning throughout professional career and capable of understanding, teaching, and monitoring variety of cardiopulmonary conditions.