



**Tilak Maharashtra Vidyapeeth
Jayantrao Tilak College of Physiotherapy**

SYLLABUS FOR

BACHELOR OF PHYSIOTHERAPY (B.P.T.)

DEGREE COURSE

This syllabus is applicable from the academic year 2020-2021

FRAMEWORK OF THE CURRICULUM

COURSE DURATION: Four years and Six months of Internship.

I B.P.T.

- a. Deals with the basic foundation in medical as well as physiotherapy subjects. The foundation of human body structure & function & energy utilization is achieved by studying the subjects Human Anatomy, Physiology, and Biochemistry.
- b. Students knowledge of Physics i.e. – Mechanics, Electricity, Water , Sound & Light is recalled to apply it on human body in understanding movements and the various physiotherapeutic modalities under the subject of Fundamentals of Electrotherapy & Fundamentals of Kinesiology & Kinesiotherapy.

II

B.P.T.

- a. Deals with understanding of altered physiology by studying pathology & Microbiology.
- b. The students get oriented to various Pharmacotherapeutic agents used along with their effects by studying Pharmacology.
- c. The students will study about normal and altered human mind & behavior by studying Psychology & Psychiatry. They will also learn skills required for effective communication with the patients and care givers.
- d. Students will acquire the knowledge of Biomechanics as applicable to human body in the context of Kinetics & kinematics of Joints, Movements & Daily activities under subject of Kinesiology and shall acquire knowledge and learn various physiotherapeutic skills on models in subject of Kinesiotherapy.
- e. In the subject of Electrotherapeutics, students will acquire knowledge and learn application & uses of various electrotherapeutic modalities on models.

III

B.P.T.

- a. Students acquire knowledge of all the clinical subjects like Orthopaedics, General Surgery, Medicine, Neurology, Paediatrics, Dermatology & Gynecology & Obstetrics, Community Medicine and Sociology.
- b. Students will acquire knowledge about the principles of International Classification of Functioning (I.C.F.) and its applicability in context to movement dysfunctions.
- c. Students will learn the physiotherapeutic evaluation skills including electrodiagnosis on patients to arrive at a Functional/ Physical Diagnosis in Neuromuscular, Cardiovascular & Respiratory dysfunction. They will also acquire knowledge of various specialized manual therapy and neurodevelopmental techniques and practice these skills on models under the subject of functional diagnosis and physiotherapeutic skills.

IV

B.P.T.

- a. Students will revise, recall and integrate the knowledge of previous years to evaluate, functionally diagnose, plan and execute short and long term management of various musculoskeletal, neurological & cardiovascular- respiratory dysfunctions in hospital and community settings.
- b. Students also acquire knowledge pertaining to health promotion & disease prevention throughout lifespan in the community. They will also be able to analyse, prevent and treat problems associated with various industries in community physiotherapy.
- c. Students will also acquire knowledge about biomechanical principles & application of variety of aids & appliances used for ambulation, protection & prevention by studying Bioengineering.
- d. Professional Practice and ethics as a subject will be studied in continuum from first year, so students will acquire the knowledge of ethical code of professional practice, as well as its moral & legal aspects. The principles of Hospital Administration, Management & Marketing will be studied separately.
- e. Students will also acquire knowledge of Research Methodology and Biostatistics and apply the knowledge in project work in community physiotherapy.

INTERNSHIP

- a. A period of 6 months (26 weeks) of continuous clinical practice to enhance the clinical reasoning, judgment, programme planning, intervention, evaluation of intervention, follow up and referral skills of all the dysfunctions and impairments learnt throughout the curriculum of four years.
- b. Those candidates declared to have passed the final year examination in all subjects shall be eligible for internship.
- c. Internship shall be done in a teaching hospital recognized by the University. A degree certificate shall be awarded ONLY on successful completion of six months of internship.
- d. The Internship will be rotatory and shall cover clinical branches concerned with Physiotherapy such as Orthopaedics, Cardiovascular & Respiratory including ICU, Neurology & Neurosurgery Paediatrics, General Medicine, Surgery, Obstetrics and Gynecology both inpatient and outpatient services.
- e. Successful Completion: The student must maintain a logbook. On completion of each posting, the same will have to be certified by the faculty in charge of the posting for both attendance as well as work done. On completion of all the postings, the duly completed logbook will be submitted to the Principal/Head of program to be considered as having successfully completed the internship program.

Estd. 1921

SUBJECTS SCHEDULE

I B. P.T.

TRANSCRIPT HOURS - 1400

Sr. No.	SUBJECTS	Teaching Hrs
	PROFESSIONAL PRACTICE	
1	Professional practice & Ethics	015
	BASIC MEDICAL SCIENCES	
2	Human Anatomy	210
3	Human Physiology	200
4	Biochemistry	050
	PHYSIOTHERAPY	
5	Fundamentals of Kinesiology & Kinesiotherapy	250
6	Fundamentals of Electrotherapy	200
7	Seminar	060
8	Observational clinical practice	415
	TOTAL	1400

TRANSCRIPT HOURS- 1400

Sr. No.	SUBJECTS	Teaching Hrs
	PROFESSIONAL PRACTICE	
1	Professional practice & Ethics	015
	MEDICAL SCIENCES	
2	Pathology	050
3	Microbiology	035
4	Pharmacology	050
5	Psychiatry including Psychology	050
	PHYSIOTHERAPY	
6	Kinesiology	080
7	Kinesiotherapy	240
8	Electrotherapy	300
9	Seminar	090
10	Supervised clinical practice	490
	TOTAL	1400

TRANSCRIPT HOURS- 1400

Sr. No.	SUBJECTS	Teaching Hrs
PROFESSIONAL PRACTICE		
1	Professional practice & Ethics	015
MEDICAL SCIENCES		
2	Surgery-I	055
3	Surgery-II	060
4	Medicine-I	055
5	Medicine-II	065
6	Community Medicine & Sociology	060
7	Obstetrics & Gynaecology	030
8	Dermatology	010
PHYSIOTHERAPY		
9	Functional Diagnosis & Physiotherapeutic Skills	460
10	Seminar (including I.C.F.)	090
11	Supervised clinical practice	500
TOTAL		1400

Estd. 1921

TRANSCRIPT HOURS -1465

Sr. No.	SUBJECTS	Teaching Hrs
	PROFESSIONAL PRACTICE	
1	Professional practice & Ethics	015
2	Administration, Management & Marketing	020
	PHYSIOTHERAPY	
3	Musculoskeletal Physiotherapy	200
4	Neuro Physiotherapy	200
5	Cardiovascular Respiratory Physiotherapy (Including Critical Care)	200
6	Community Physiotherapy	200
7	Principles of Bio-engineering	030
8	Research Methodology & Biostatistics	040
9	Seminar (including I.C.F.)	060
10	Supervised clinical practice	500
	TOTAL	1465