



University Engineering and Management, Jaipur Campus

New Syllabus Outline Structure

For B.P.T in Physiotherapy

Effective from Academic Year 2026-2027

SCHOOL OF PHYSIOTHERAPY

BPT I YEAR				
S. No	Subject	Credits Theory	Credit Practical	Credits Total
1.	Anatomy	3	2	5
2.	Human Physiology	3	2	5
3.	Biochemistry	2	0	2
4.	Fundamentals of Exercise Therapy	3	1	4
5.	Fundamentals of Electrotherapy	3	1	4
6.	Psychology & Sociology	2	0	2
7.	Fundamentals of Health Care Delivery System in India	2	0	2
8.	English	1	0	1
9.	Information Technology	1	0	1
10.	Clinical Orientation	1	0	1
11.	Grand Total			27

MOOC Courses BPT 1st Year

(Any one certification is mandatory)

1. Interactive 3D Anatomy & Physiology Specialization (University of Michigan)
<https://www.coursera.org/specializations/anatomy-physiology-3d-interactive>
2. Science of Exercise (University of Colorado Boulder – Coursera) <https://www.coursera.org/learn/science-exercise>
3. Introductory Human Physiology <https://www.coursera.org/learn/physiology>

Physital Courses BPT 1st Year
(Any one certification is mandatory)

Introductory Human Physiology - <https://www.coursera.org/programs/iem-uem-group-2025-26>

Interactive 3D Anatomy & Physiology: A Gamified Experience Specialization - <https://www.coursera.org/programs/iem-uem-group-2025-26-9pva1/specializations/anatomy-physiology-3d>

Medical Terminology and the Human Body Fundamentals - <https://www.coursera.org/programs/iem-uem-group-2025-26-9pva1/learn/medical-terminology-human-body-fundamentals>

Study material

Fundamentals of Health care delivery system I year

1. <https://classroom.google.com/c/NzEzNzkyMzM5OTM5/m/NzM4MTE4NDM5Nzg2/details>
2. <https://classroom.google.com/c/NzEzNzkyMzM5OTM5/m/NzM3ODczNjMzOTkx/details>
3. <https://classroom.google.com/c/NzEzNzkyMzM5OTM5/m/NzM3NDE3ODA5NzMz/details>
4. <https://drive.google.com/file/d/1oAuMaCabTT2PdD6AcK1OCDmVu0uuadu-/view?usp=sharing>

Anatomy

1. https://drive.google.com/file/d/1oAuMaCabTT2PdD6AcK1OCDmVu0uuadu-/view?usp=drive_link

Exercise Therapy

1. <https://drive.google.com/file/d/1l3zx6z6Vi8QkTiWLD0IZqJP5uK4uLLdj/view?usp=sharing>
2. https://docs.google.com/document/d/1Lq8ggNsvGWW-Ye6GZJBE7UQp_EAGtf8A/edit?usp=sharing&ouid=107160125449812726854&rtpof=true&sd=true

Physiology

1. https://docs.google.com/document/d/104ucLRKn8-mLPP8GIgU4MV4E80RDYVZ/edit?usp=drive_link&oid=107160125449812726854&rtpof=true&sd=true
2. https://drive.google.com/file/d/1uwST5MHuKu5i3mP-zkYQkFe6UapZ4v0d/view?usp=drive_link
3. https://drive.google.com/file/d/1d-2cYW79E8kd-AFrcoIBhrQVDFEFjmFJ/view?usp=drive_link
4. https://drive.google.com/drive/folders/1ojx4JWIWUpQOeOY4sWAQZ9xM7DuZn7NMXyYuKZJVC8vRiL5sb5jS0IExc i7AUY3d_RCzdFGp?usp=sharing

BPT 2nd YEAR				
S. No	Subject	Credits Theory	Credit Practical	Credits Total
1.	B.P.T-201 Pathology & Microbiology (PM)	4	0	4
2.	B.P.T-202 Pharmacology (PC)	2	0	2
3.	B.P.T-203 Public Health & Health Promotion (PH)	2	0	2
4.	B.P.T-204 Emergency Care and life support Skills (ECLS)	2	0	2
5.	B.P.T-205 Exercise therapy (ExT)	3	2	5
6.	B.P.T -206 Electrotherapy (ET)	3	2	5
7.	B.P.T-207 Biomechanics & Kinesiology (BK)	4	1	5
8.	B.P.T-208 Yoga and Systems of Medicine (YoG)	1	1	1
9.	B.P.T.-209 Clinical Observation (COB)		1	1
	Grand Total			27

(Any one certification is mandatory)

NPTEL Courses BPT 2nd Year

Course ID	Course Name	Join Course
noc26-bt79	Human Physiology	https://onlinecourses.nptel.ac.in/elearning/preview/noc26_bt79
noc26-bt99	Electrophysiology of Heart	https://onlinecourses.nptel.ac.in/elearning/preview/noc26_bt99
noc26-ge100	Basics of Food and Nutrition	https://onlinecourses.nptel.ac.in/elearning/preview/noc26_ge100
noc26-ge59	Electrocardiogram – Interpretation and Application in Clinical Practice	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ge59
noc26-hs240	Introduction to Physical Medicine and Rehabilitation in Sports	https://onlinecourses.nptel.ac.in/elearning/preview/noc26_hs240
noc26-me199	Biomechanics of Joints and Orthopaedic Implants	https://onlinecourses.nptel.ac.in/elearning/preview/noc26_me199

	Learning Pathway/Physical Courses BPT 2nd Year (Any one certification is mandatory)
1.	Child Nutrition and Health - https://www.coursera.org/programs/iem-uem-group-2025-26-9pva1/learn/child-nutrition-and-health
2.	Fundamental Sports related Musculoskeletal Anatomy - https://www.coursera.org/programs/iem-uem-group-2025-26-9pva1/learn/fundamental-sports-related-musculoskeletal-anatomy
3.	Public Health & Health Promotion - https://onlinecourses.swayam2.ac.in/nou24_es06/preview
4.	Public Health & Health Promotion - https://www.coursera.org/learn/mental-health
5.	Public Health & Health Promotion - https://www.coursera.org/learn/non-communicable-diseases-in-humanitarian-settings

Study Material

Biomechanics

1. https://drive.google.com/file/d/11t0fM3yWOKQBEEnSGQvh16jsh5T0jcdZJ/view?usp=drive_link
2. https://drive.google.com/file/d/1XG9p-CcTW4Yq-4g2EN8-O0vmoDe1unJK/view?usp=drive_link

Electrotherapy <https://classroom.google.com/c/Nzk4NDEwODk1MDgx?cjc=q7tm5lzf>

BPT 3 rd year (5 th Semester)				
S. No	Subject	Credits Theory	Credit Practical	Credits Total
1.	General Medicine I	3	1	4
2.	General Surgery & Obs Gynec	3	1	4
3.	Orthopedics I	3	1	4
4.	Physiotherapy in Medical and Surgical Conditions I	3	1	4
5.	Physiotherapy in Orthopaedic Conditions 1	3	1	4
6.	Physical & functional Diagnosis & Prescription	3	1	4
7.	Research Methodology, Biostatistics and Evidence Based Practice 1	2		2
8	Clinical Education		3	3
	Grand Total			29

BPT 3 rd YEAR (6 th Semester)				
S. No	Subject	Credits Theory	Credit Practical	Credits Total
1.	General Medicine II	3	1	4
2.	Cardio thoracic & Vascular Surgeries	3	1	4
3.	Orthopaedics II	3	1	4
4.	Physiotherapy in Medical and cardiovascular Surgical Conditions II	3	1	4
5.	Physiotherapy in Orthopaedic Conditions II	3	1	4
6.	Professional issues (including ethics), Administration & Bioengineering	2	0	2
7.	Biostatistics and Evidence based practice	2	0	2
8.	Clinical Education		3	3
	Grand Total			27

(Any one certification is mandatory)			
NPTEL Courses BPT 5 th & 6 th SEM, 3 rd Year			
1.	noc26-ge76	Neuroscience of Human Movements	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ge76
2	noc26-ge84	Essential Neuroscience: A Beginners Guide	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ge84
3	noc26-ge87	Research Methods in Health Promotion	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ge87
4	noc26-hs242	Sports and Performance Nutrition	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_hs242
5	noc26-hs243	Sports Psychology	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_hs243
6	noc26-hs244	Introduction to Exercise Physiology & Sports Performance	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_hs244
7	noc26-hs245	Fundamentals of Sports Training, Load Management and Recovery	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_hs245

	Learning Pathway/Physital BPT 5th & 6th Sem 3rd Year (Any one certification is mandatory)
1.	Medical-Surgical Nursing: Cardiovascular & ECG Essentials Specialization MEP301 https://www.coursera.org/programs/iem-uem-group-2025-26-9pva1/specializations/med-surg-nursing-cardiovascular-and-ecg-essentials (Learning Pathway)
2.	Fundamental Sports related Musculoskeletal Anatomy CLO301 https://www.coursera.org/programs/iem-uem-group-2025-26-9pva1/learn/fundamental-sports-related-musculoskeletal-anatomy (Physital)
3.	Introduction to Reproduction (SOG301) https://www.coursera.org/programs/iem-uem-group-2025-26-9pva1/learn/reproductive-health (Physital)
4.	Medical Emergencies: CPR, Toxicology, and Wilderness (MEP301) https://www.coursera.org/programs/iem-uem-group-2025-26-9pva1/learn/medical-emergencies-cpr-toxicology-wilderness (Physital)
5.	The Basics of Trauma Surgery (SOG301) https://www.coursera.org/programs/iem-uem-group-2025-26-9pva1/learn/trauma-surgery-basics (Physital)
6.	Biostatistics in Public Health Specialization: https://www.coursera.org/programs/iem-uem-group-2025-26-9pva1/specializations/biostatistics-public-health
7.	Survey Data Collection and Analytics Specialization https://www.coursera.org/programs/iem-uem-group-2025-26-9pva1/specializations/data-collection

Study material

SOG301

1. <https://classroom.google.com/c/NzEzNzYwMzAyOTE5/m/NzQyNjY4OTk2NDcz/details>
2. https://docs.google.com/presentation/d/1KsMcWlwoP4Oox6aqQOBIR3O0W6r_Bf56/edit?usp=drive_link&oid=107160125449812726854&rtpof=true&sd=true

RMB301

1. <https://classroom.google.com/c/NzEzNzYwMzAyOTE5/m/NzM3Mjg2NzY5Mzk1/details>
2. <https://classroom.google.com/c/NzEzNzYwMzAyOTE5/m/NzQzODIwMTEzNjQ2/details>
3. <https://classroom.google.com/c/NzEzNzYwMzAyOTE5/m/NzM2ODg5MDcwNjI5/details>
4. <https://classroom.google.com/c/NzEzNzYwMzAyOTE5/m/NzMzMjQ2OTg4NDI0/details>
5. <https://classroom.google.com/c/NzEzNzYwMzAyOTE5/m/NzMzMjQ2NzkxMDQw/details>
6. <https://classroom.google.com/c/NzEzNzYwMzAyOTE5/m/NzQyNjY4ODUzNDE0/details>

General medicine

1. <https://classroom.google.com/c/Nzk4NDEwNjE1Njk5/m/Nzk4NDEwNTA5MTI2/details>

Orthopedics

1. <https://classroom.google.com/c/ODU1NDcwMTQ0MDM3?cjc=r2evyrsw>

BPT IV Year				
S. No.	Subject	Credits Theory	Credit Practical	Credits Total
1.	PT in Neurology & Neurosurgery (PTN401)	3	1	4
2.	PT in Medical Conditions including Pediatrics (PTM401)	3	1	4
3.	PT in Surgical Conditions (PTS401)	3	1	4
4.	Rehabilitation Sciences in Physiotherapy (RSP401)	3	1	4
5.	PT in Orthopedics Conditions	3	1	4
6.	Sports Physiotherapy (SPT401)	3	1	4
7.	Clinical Training		3	3
8.	Mini Project (PRJ491)	2		2
Grand Total				29

S. No	MOOC Courses BPT 4 th Year (Any one certification is mandatory)
	Fundamental Sports related Musculoskeletal Anatomy: https://www.coursera.org/learn/fundamental-sports-related-musculoskeletal-anatomy
	Science of Exercise: https://www.coursera.org/learn/science-exercise
	Managing Your Health: The Role of Physical Therapy and Exercise: https://www.coursera.org/learn/physical-therapy-exercise
	Managing Your Health: The Role of Physical Therapy and Exercise: https://www.coursera.org/learn/physical-therapy-exercise
	Bones, Joints and Muscles: https://www.coursera.org/learn/bones-joints-muscles
	Pediatric Integrative Medicine in Residency (PIMR) – Pediatric Pain and Musculoskeletal Care: https://www.coursera.org/search?query=pediatric%20medicine

Study Material

PTS401 1.

1. https://docs.google.com/presentation/d/1_aqeYzWwCcz8M9RbaVWc8nZCFz7dyeRJ/edit?usp=sharing&ouid=107160125449812726854&rtpof=true&sd=true
2. https://docs.google.com/presentation/d/1KsMcWIwoP4Oox6aqQOBlR3O0W6r_Bf56/edit?usp=drive_link&ouid=107160125449812726854&rtpof=true&sd=true

RSP401

1. <https://classroom.google.com/c/NzkwOTI2MzQ4MjE1/m/NzkwOTI2MzUyNjg5/details>

PTN

1. <https://drive.google.com/file/d/1DLROEeUs0W2zVZ2HXFIWWrJnPjglTpNQ/view?usp=sharing>

Sports

1. <https://classroom.google.com/c/ODcwMzIxMTM4MDgx/m/Nzk4NDEwNjc4NDZz/details>

Medicine

1. https://drive.google.com/drive/folders/1ojx4JWIWUpQOeOY4sWAQZ9xM7DuZn7NMXyYuKZJVC8vRiL5sb5jS0lExci7AU_Y3d_RCzdFGp?usp=sharing