

2.6.2

Program Outcomes

1	To provide a suitable platform to nurture a Physiotherapist who shall lead to serve and heal in variety of health care and social settings to provide the best quality of life to an individual
2	To promote the health of the patients or person and enhance the professional, contextual and collaborative foundation of physiotherapy practice
3	To train our students to deliver humanistic health services for patients and their families
4	To promote and inculcate hands-on skills and expertise with updates in health care education.
5	To provide a premier hands-on teaching center with realistic, excellent training to create proficient, compassionate and empathetic physiotherapists
6.	To build capacities, beliefs and core values of human care, health care, knowledge, team work and voluntarism through its teaching endeavors.

Program Specific Outcome

1	Acquire, assess, apply, and integrate new knowledge, learn to adapt to changing circumstances and ensure that patients receive the highest level of professional care.
2	Establish the foundations for lifelong learning and continuing professional development, including a professional development portfolio containing reflections, achievements and learning needs.
3	Continually and systematically reflect on practice and, whenever necessary, integrate that reflection into action, using improvement techniques and audit.
4	Manage time and prioritize tasks, and work autonomously when necessary and appropriate
5	Recognize own personal and professional limits and seek help from colleagues and supervisors when necessary.

Course: Fundamentals of Kinesiology and Kinesiotherapy Course Code: BPT20104

Course Outcome: Students should be able to

- 1) Demonstrate the movements in terms of various anatomical planes and axes.
- 2) Acquire the skill of objective assessment of Range of Motion of the joints by Goniometry
- 3) Describe physiological basis and principle of relaxation and acquire the skills of relaxation methods

Assignments	Outcome	Objectives Achieved				Not Achieved
		O	A	B	C	F
Assignment 1	CO1	70%	30%	0%	0%	0%
Assignment 2	CO1	55 %	45 %	0 %	0 %	0%
Assignment 3	CO2	80%	10 %	10 %	0 %	0%
Assignment 4	CO2	60%	30 %	10 %	0 %	0%
Assignment 5	CO3	62%	38 %	0 %	0 %	0%
Assignment 6	CO3	55 %	40 %	5 %	0 %	0%

Assignment 1: Write in detail about axes and planes

Assignment 2: Write in detail of levers used in Physiotherapy

Assignment 3: Write types of goniometer

Assignment 4: Write goniometry for wrist joint

Assignment 5: Explain local relaxation method

Assignment 6: Explain contrast method of relaxation

Department of Physiotherapy

Program Outcome - Course Outcome

Co-relation

Course: Fundamentals of Kinesiology and Kinesiotherapy

	PO1 To provide a suitable platform to nurture a Physiotherapist who shall lead to serve and heal in variety of health care and social setting to provide best quality of life to an individual	PO2 To promote the health of the patients or person and enhance the professional contextual and collaborative foundation of physiotherapy practice	PO3 To train our students to deliver humanistic health service for patients and their families	PO4To promote and inculcate hands on skills and expertise with updates in health care education.	PO5 To provide premier hands-on teaching center with realistic excellent training to create proficient, companionate, and empathetic physiotherapist	PO6To build capacities beliefs and core values of human care, health care, knowledge, team work and voluntarism through its teaching endeavors.	Highest Variable
CO1 Demonstrate the movements in terms of various anatomical planes and axes.	-	-	-	100%	-	-	70%-O Grade
CO2Acquire the skill of objective assessment of Range of Motion of the joints by Goniometry	-	-	-	-	-	100%-	80% - O Grade
CO3Describe physiological basis and principle of relaxation and acquire the skills of relaxation methods	-	-	-	100%	-	-	62%- O Grade

Program Specific Outcome: Acquire, assess, apply, and integrate new knowledge, learn to adapt to changing circumstances and ensure that patients receive the highest level of professional care

- Assignment 1: Write in detail about axes and planes CO1
- Assignment 2: Write in detail of levers used in Physiotherapy CO1
- Assignment 3: Write types of goniometer CO2
- Assignment 4: Write goniometry for wrist joint CO2
- Assignment 5: Explain local relaxation method CO3
- Assignment 6: Explain contrast method of relaxation CO3

Course: Electrotherapy**Course Code: BPT21206**

Course Outcome: Students should be able to

- 1) Describe the physiological effects, therapeutic uses, indication and contraindication of low/ medium/ high frequency currents.
- 2) Acquire the skills of application of the electrotherapy modes on models.
- 3) Acquire an ability to select the appropriate mode as per specific tissue and area of application.

Assignments	Outcome	Objectives Achieved				Not Achieved
		O	A	B	C	F
Assignment 1	CO1	65%	35%	0%	0%	0%
Assignment 2	CO1	45%	45 %	10 %	0 %	0%
Assignment 3	CO2	70%	20 %	10 %	0 %	0%
Assignment 4	CO2	55%	30 %	15 %	0 %	0%
Assignment 5	CO3	62%	28 %	10 %	0 %	0%
Assignment 6	CO3	65 %	30 %	5 %	0 %	0%

Assignment 1- Write physiological effects of Faradic currents

Assignment 2- Explain therapeutic effects of Faradic Currents

Assignment 3- Write a note on application of Faradic currents on quadriceps muscle

Assignment 4- Explain application of Faradic currents to wrist flexors

Assignment 5- Explain application Surged Faradic current to reduce oedema of upper extremity

Assignment 6- Explain application Surged Faradic current to increase ROM of elbow joint

Program Outcome - Course Outcome
Co-relation

Course: Electrotherapy

	PO1 To provide a suitable platform to nurture a Physiotherapist who shall lead to serve and heal in variety of health care and social setting to provide best quality of life to an individual	PO2 To promote the health of the patients or person and enhance the professional contextual and collaborative foundation of physiotherapy practice	PO3 To train our students to deliver humanistic health service for patients and their families	PO4 To promote and inculcate hands on skills and expertise with updates in health care education.	PO5 To provide premier hands-on teaching center with realistic excellent training to create proficient, companionate, and empathetic physiotherapist	PO6 To build capacities beliefs and core values of human care, health care, knowledge, team work and voluntarism through its teaching endeavors.	Highest Variable
CO1 Describe the physiological effects, therapeutic uses, indication and contraindication of low/ medium/ high frequency currents.	-	-	100%	-	-	-	65%-O Grade
CO2 Acquire the skills of application of the electrotherapy modes on models	-	-	-	100%	-	-	70% - O Grade
CO3 Acquire an ability to select the appropriate mode as per specific tissue and area of application	-	-	-	100%	-	-	65%- O Grade

Program Specific Outcome: Acquire, assess, apply, and integrate new knowledge, learn to adapt to changing circumstances and ensure that patients receive the highest level of professional care

Assignment 1- Write physiological effects of Faradic currents CO1

Assignment 2- Explain therapeutic effects of Faradic Currents CO1

Assignment 3- Write a note on application of Faradic currents on quadriceps muscle CO2

Assignment 4- Explain application of Faradic currents to wrist flexors CO2

Assignment 5- Explain application Surged Faradic current to reduce oedema of upper extremity CO3

Assignment 6- Explain application Surged Faradic current to increase ROM of elbow joint CO3

Course: Functional Diagnosis & Physiotherapeutic Skills**Course Code: BPT21306**

Course Outcome: Students should be able to

- 1) Understand the use of appropriate tools or instruments of assessment in Musculoskeletal, Neurological and Cardio-vascular conditions
- 2) Perform the skill of electro-diagnosis (SD Curve) and observe skills of EMG and NCV studies, to understand the documentation of finding of these studies
- 3) Demonstrate safe, respectful and effective performance of physical therapy handling techniques taking into account patients clinical condition, need for privacy, resources available and the environment

Assignments	Outcome	Objectives Achieved				Not Achieved
		O	A	B	C	
Assignment 1	CO1	80%	10%	10%	0%	0%
Assignment 2	CO1	62 %	30 %	0 %	0 %	8%
Assignment 3	CO2	30%	60 %	5 %	5 %	0%
Assignment 4	CO2	45%	25%	20 %	5 %	5%
Assignment 5	CO3	60%	32 %	5%	0 %	3%
Assignment 6	CO3	70 %	10 %	20 %	0 %	0%

Assignment 1- Draw a well labeled diagram of the cross section of skeletal muscle fiber?

Assignment 2- Write in detail the physiology of resting membrane potential?

Assignment 3- what is motor unit? Explain the recruitment pattern of motor unit?

Assignment 4- Write and explain the principles of PNF? (Proprioceptive Neuromuscular facilitation)

Assignment 5- Enumerate D1 and D2 pattern of upper extremity?

Assignment 6- Plot SD curve for any nerve palsy? Also interpret the given EMG report and write the condition?

Program Outcome - Course Outcome
Co-relation

Course: Functional Diagnosis & Physiotherapeutic Skills

	PO1 To provide a suitable platform to nurture a Physiotherapist who shall lead to serve and heal in variety of health care and social setting to provide best quality of life to an individual	PO2 To promote the health of the patients or person and enhance the professional contextual and collaborative foundation of physiotherapy practice	PO3 To train our students to deliver humanistic health service for patients and their families	PO4 To promote and inculcate hands on skills and expertise with updates in health care education.	PO5 To provide premier hands-on teaching center with realistic excellent training to create proficient, companionate and empathetic physiotherapist	PO6 To build capacities beliefs and core values of human care, health care, knowledge, team work and voluntarism through its teaching endeavors.	Highest Variable
CO1 Understand the use of appropriate tools or instruments of assessment in Musculoskeletal, Neurological and Cardio-vascular conditions	-	100%	-	-	-	-	80%-O Grade
CO2 Perform the skill of electro-diagnosis (SD Curve) and observe skills of EMG and NCV studies, to understand the documentation of finding of these studies	-	-	-	100%	-	-	45% - O Grade

CO3 Demonstrate safe, respectful and effective performance of physical therapy handling techniques taking into account patients clinical condition, need for privacy, resources available and the environment	-	-	-	100%	-	100%	70%- O Grade
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Program Specific Outcome: Acquire, assess, apply, and integrate new knowledge, learn to adapt to changing circumstances and ensure that patients receive the highest level of professional care

Assignment 1- Draw a well labelled diagram of the cross section of skeletal muscle fiber? CO1

Assignment 2- Write in detail the physiology of resting membrane potential? CO1

Assignment 3- What is motor unit? Explain the recruitment pattern of motor unit? CO2

Assignment 4- Write and explain the principles of PNF? (Proprioceptive Neuromuscular facilitation) CO2

Assignment 5- Enumerate D1 and D2 pattern of upper extremity? CO3

Assignment 6- Plot SD curve for any nerve palsy? Also interpret the given EMG report and write the condition? CO3

Course: Cardiovascular Respiratory Physiotherapy (Including Critical Care)

Course Code: BPT21403

Course Outcome: Students should be able to

- 1) Identify and analyse cardio-vascular & pulmonary dysfunction in terms of bio- mechanical, and Bio-physical basis and correlate the same with the health condition, routine electrophysiological, radiological, and biochemical investigations and arrive at appropriate Physical therapy diagnosis using WHO-ICF tool (Disability, Functioning and contextual factors) with clinical reasoning.
- 2) Plan, prescribe appropriate, safe physiotherapy interventions with clinical reasoning for and prevention of impairments, activity limitations, participation restrictions and environmental barriers related to cardio-vascular & pulmonary dysfunction in acute care settings, at home, work place, in society & in leisure activities.
- 3) Utilise the skill to deliver cardiac, pulmonary & vascular rehabilitation

Assignments	Outcome	Objectives Achieved				Not Achieved
		O	A	B	C	
Assignment 1	CO1	60%	40%	0%	0%	0%
Assignment 2	CO1	50 %	40 %	10 %	0 %	0%
Assignment 3	CO2	80%	10 %	10 %	0 %	0%
Assignment 4	CO2	60%	30 %	10 %	0 %	0%
Assignment 5	CO3	90%	10 %	0 %	0 %	0%

Assignment 1- Write Pathophysiology of COPD

Assignment 2- Write X-ray & PFT findings of COPD

Assignment 3- Explain ICF with clinical reasoning of COPD

Assignment 4- Explain short term and long term goals of management

Assignment 5- Write a note on pulmonary rehabilitation of COPD

Program Outcome - Course Outcome
Co-relation

Course: Cardiovascular Respiratory Physiotherapy (Including Critical Care)

	PO1 To provide a suitable platform to nurture a Physiotherapist who shall lead to serve and heal in variety of health care and social setting to provide best quality of life to an individual	PO2 To promote the health of the patients or person and enhance the professional contextual and collaborative foundation of physiotherapy practice	PO3 To train our students to deliver humanistic health service for patients and their families	PO4 To promote and inculcate hands on skills and expertise with updates in health care education	PO5 To provide premier hands-on teaching center with realistic excellent training to create proficient ,companionate and empathetic physiotherapist	PO6 To build capacities beliefs and core values of human care, health care, knowledge, team work and voluntarism through its teaching endeavors	Highest Variable
CO1 Identify and analyse cardiovascular & pulmonary dysfunction in terms of bio- mechanical, and Bio-physical basis and correlate the same with the health condition, routine electrophysiological, radiological, and biochemical investigations and arrive at appropriate Physical therapy diagnosis using WHO-ICF tool (Disability, Functioning and contextual factors) with clinical reasoning.	-	100%	-	-	-	-	60%-O Grade

CO2 Plan, prescribe appropriate, safe physiotherapy interventions with clinical reasoning for and prevention of impairments, activity limitations, participation restrictions and environmental barriers related to cardio-vascular & pulmonary dysfunction in acute care settings, at home, work place, in society & in leisure activities	-	-	100%	100%	100%	-	80% - O Grade
CO3 Utilise the skill to deliver cardiac, pulmonary & vascular rehabilitation	-	100%	-	100%	-	-	90% - O Grade

Program Specific Outcome: Acquire, assess, apply, and integrate new knowledge, learn to adapt to changing circumstances and ensure that patients receive the highest level of professional care

Assignment 1- Write Pathophysiology of COPD CO1

Assignment 2- Write X-ray & PFT findings of COPD CO1

Assignment 3- Explain ICF with clinical reasoning of COPD CO2

Assignment 4- Explain short term and long term goals of management CO2

Assignment 5- Write a note on pulmonary rehabilitation of COPD CO3

