INSTITUTE	**FACULTY OF PHYSIOTHERAPY**
PROGRAM	**BACHELOR OF PHYSIOTHERAPY**
SEMESTER	**3**
COURSE TITLE	**EMERGENCY RESPONSE**
COURSE CODE	**17PT0309**
COURSE CREDITS	**1**

Objective:

1 At the end of this course students will be able to describe the principles of emergency response and physiotherapist's role in acute care, and community settings.

2 At the end of this course students will be able to acquire skills in Basic Life Support (BLS), safe patient handling, immobilisation, and transfer.

3 At the end of this course students will be able to recognise medical and trauma emergencies relevant to physiotherapy and initiate immediate care.

4 At the end of this course students will be able to integrate physiotherapy-specific considerations such as spinal precautions, early mobilization safety, and prevention of secondary injury.

5 At the end of this course students will be able to practice structured communication, documentation, and teamwork in emergency situations.

Course Outcomes: After completion of this course, student will be able to:

1 At the end of this course students will be able to perform BLS including CPR in adults and infants.

2 At the end of this course, students will be able to demonstrate safe handling, transfer, and immobilisation techniques in trauma cases.

3 At the end of this course, students will be able to provide first response for musculoskeletal and community emergencies relevant to physiotherapy

4 At the end of this course, students will be able to recognise red flags in respiratory, cardiovascular, neurological, and metabolic emergencies and initiate referral.

Pre-requisite of course: Basic knowledge of anatomy, physiology, pathology, and introductory patient care skills.

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
20	0	10	0	50	0	0	0

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Contents : Unit	Topics	Contact Hours
1	**Introduction to Emergency Care & Role of Physiotherapist** Scope and legal/ethical aspects, infection control, emergency action plan (EAP)	2
2	**Triage & Primary Survey** Scene assessment, primary survey and structured communication & documentation (SBAR)	2
3	**First Responder** Breathing Difficulty (severe allergy, choking), Chest Pain / Heart Attack, Brain Stroke and Head injury, Fits/ Convulsions/Seizures, Fainting, CPR, Bleeding and shock, Wounds , Fractures,sprain,dislocations,splinting of limb injuries,spinal immobilization, Burns/Electrocution, Heat stroke, Drowning, Snake bite,Insect bites, Poisoning	5
4	**Pediatric Life Support** Infant CPR, Cardiac respiratory and shock case discussion and simulation, Key changes in pediatric advanced life support, Management of respiratory emergencies, Rhythm disturbances and electrical therapy, Systematic approach to pediatric assessment	3
5	**Obstetric & Gynecological Emergencies** Basic awareness of complications (e.g., postpartum hemorrhage, eclampsia, emergency delivery support until referral).	3
6	**Infection-related Emergencies** Sepsis recognition, Handling suspected infectious disease outbreaks (PPE, isolation principles)	2
7	**Medical Emergencies Relevant to PT Practice** Syncope, stroke (FAST), diabetic emergencies, asthma exacerbation, anaphylaxis	3
Total Hours		**20**

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
1	**Triage & primary survey** SBAR communication and documentation	1
2	**First Responder** CPR (adult & child), AED operation, recovery position, bleeding control, splinting and immobilisation for wounds / fractures / sprains / dislocations, handling head injury, burns & electrocution, near drowning, bites, poisoning	5
3	**Pediatric Life Support** Infant CPR, pediatric assessment	2
4	**Infection-related emergencies** Donning & doffing PPE, isolation procedures, sepsis case simulation	1

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Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
5	**Medical emergencies relevant to PT Practice** Stroke FAST drill,diabetic assessment, first-aid	1
Total Hours		**10**

Textbook :

1 Basic Emergency Care: Approach to the Acutely Ill and Injured , WHO & ICRC, WHO PRESS, 2018

References:

1 Highlights of the 2020 Guidelines for CPR and ECC, Highlights of the 2020 Guidelines for CPR and ECC, AHA, American Heart Association, 2020

2 EMRI textbook, EMRI textbook, EMRI, EMRI, 2018

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery and evaluation

Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
25.00	25.00	20.00	10.00	20.00	0.00

Instructional Method:

1 Theory+Practical

Supplementary Resources:

1 https://www.youtube.com/watch?v=Plse2FOkV4Q

2 https://www.youtube.com/watch?v=9rQ6PPAPA4I

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