INSTITUTE	**FACULTY OF PHYSIOTHERAPY**
PROGRAM	**MASTER OF PHYSIOTHERAPY**
SEMESTER	**1**
COURSE TITLE	**BASIC LIFE SUPPORT**
COURSE CODE	**17MP0108**
COURSE CREDITS	**1**

Objective:

1 To enable students to understand and perform cardiopulmonary resuscitation (CPR) for adults, children, and infants as per American Heart Association (AHA) standards.

2 To train students to identify and manage respiratory and cardiac arrest emergencies effectively, including the timely and appropriate use of an Automated External Defibrillator (AED) and provision of post–cardiac arrest care.

3 To develop skills in airway management, including the use of barrier devices and techniques for the relief of foreign-body airway obstruction (choking) in all age groups.

4 To cultivate teamwork, communication, and leadership abilities for effective performance in single- and multirescuer resuscitation, following the principles of the AHA Chain of Survival.

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

1 Demonstrate competency in performing Cardioplmonary Resuscitation for adults, children, and infants according to American Heart Association guidelines.

2 Recognize and effectively manage respiratory and cardiac arrest, including use of an Automated External Defibrilator and post–cardiac arrest care.

3 Apply appropriate techniques for airway management and relief of foreign-body obstruction across all age groups.

4 Function efficiently as an individual and team member in multirescuer resuscitation, emphasizing communication, coordination, and adherence to the American Heart Association Chain of Survival.

Pre-requisite of course: Basic knowledge of anatomy, physiology, pathology and medicine.

Teaching and Examination Scheme

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

Contents : Unit	Topics	Contact Hours
1	**Cardiopulmonary resuscitation** Cardiopulmonary resuscitation for adults, children, and infants	3

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Contents : Unit	Topics	Contact Hours
2	**Chain of Survival** American Heart Association Chain of Survival, specifically the Basic life support components	2
3	**Basic life supportcare** Demonstrate proficiency in providing Basic life supportcare, including prioritizing chest compressions and integrating use of an Automated External Defibrillator	4
4	**Respiratory arrest** Recognize and manage respiratory arrest	3
5	**Management of cardiac arrest** Recognize and manage cardiac arrest until termination of resuscitation or transfer of care, including post–cardiac arrest care	3
6	**Automated External Defibrillator** Important early use of an Automated External Defibrillator	2
7	**Effective ventilations apllications** Effective ventilations using a barrier device and Relief of foreign-body airway obstruction (choking) for adults / infants	3
Total Hours		**20**

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
1	**Cardiopulmonary resuscitation** Effective ventilations using a barrier device and Relief of foreign-body airway obstruction (choking) for adults / infants	5
2	**Automated External Defibrillator** Use of automated external defibrilator	1
3	**Multirescuer resuscitation** Importance of teams in multirescuer resuscitation and performance as an effective team member during multirescuer Cardiopulmonary resuscitation	4
Total Hours		**10**

Textbook :

1 BLS Provider Manual. ., American Heart Association (AHA), American Heart Association, 2020

References:

1 Mosby’s Paramedic Textbook (5th ed.), Mosby’s Paramedic Textbook (5th ed.), Sanders, M. J., & McKenna, K. D. , Elsevier, 2019

2 Tintinalli’s Emergency Medicine: A Comprehensive Study Guide (9th ed.), Tintinalli’s Emergency Medicine: A Comprehensive Study Guide (9th ed.), Tintinalli, J. E., Ma, O. J., Yealy, D. M., Meckler, G. D., Stapczynski, J. S., Cline, D. M., & Thomas, S. H., McGraw-Hill Education, 2020

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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					
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 Lectures in classroom and practical demonstration in laboratory

Supplementary Resources:

1 N/A

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