



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

COLLEGE OF PHYSIOTHERAPY

STUDENTS CIRCULAR

Dear Students, This is to inform you that it is mandatory to select any two elective subjects for the III semester of the academic year 2022 – 2023 based on your area of interest. Please refer to the course catalogue or the online portal to view the list of available elective courses. If you are unsure about which electives align best with your goals, don't hesitate to reach out to your academic advisor. They can provide valuable insights and recommendations. Select anyone elective from the given options.

SEMESTER – III [ODD SEMESTER]

List of Courses offered:

s.no.	Course code	Course Name
1	SPTB5107	HOSPITAL MANAGEMENT
2	SPTB6107	CARDIOPULMONARY RESUSCITATION
3	SPTB7107	CLINICAL DIAGNOSIS
4	SPTB8107	PT EVALUATION

HOSPITAL MANAGEMENT

Course objective:

Students can explore public policy, community relations, human resource management, hospital finance, fundraising, physician relations and collective bargaining after completing 100 hrs of lecture.

Course Outcomes:

1. To understand the concept of principles of management
2. To be well versed in the types of management
3. To clearly explain the research methods for management
4. To be well versed in Hospital Architecture, planning and Design
5. To understand the concept of materials management
6. To be well versed in Ethics and laws in Hospital management

UNIT I	PRINCIPLES OF MANAGEMENT	20
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1. Principles of Management
2. Organizational Behaviour

UNIT II	TYPES OF MANAGEMENT	20
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1. Accounting and Finance for Managers
2. Marketing Management
3. Human Resource Management
4. Quantitative Techniques for Management

UNIT III	IMPORTANCE OF MANAGEMENT	20
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1. Research Methods for Management
2. Corporate Communication
3. Operations Management

UNIT IV	HOSPITAL MANAGEMENT	20
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1. Hospital Architecture, Planning And Design
2. Materials Management
3. Hospital Operation – I (Patient Care)
4. Hospital Operation – II (Supportive Services)

UNIT V	ETHICS & LAWS IN HOSPITAL MANAGEMENT	20
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1. Bio-Sciences & Epidemiology
2. Hospital Information System
3. Health Laws & Policies
4. Hospital Environment and Ethics

Total Hours:100

Textbook:

1. Wallace J. Hopp , Hospital Operations: Principles of High Efficiency Health Care, Pearson higher education Publication, 2nd Ed,2012

Reference:

1. Goyal & Sharma,Hospital Administration and Human Resource Management, PHI Publisher,2013

CARDIOPULMONARY RESUSCITATION

Course objective:

Upon successful completion of 100 hrs the student will be able to apply first aid and perform cardiopulmonary resuscitation (CPR).

Course Outcomes:

1. To be well versed in defining CPR
2. To understand the Principles of CPR
3. To be well versed in checking and positioning the victims
4. To clearly explain the procedures in CPR
5. To understand the concept of signals of a heart attack
6. To clearly explain the concept of Adult, Child and infant CPR

UNIT I	INTRODUCTION TO CPR	20
	1. Definition of CPR 2. Health concerns as it relates to performing Community CPR or First Aid.	
UNIT II	PRINCIPLES OF CPR	20
	1. Check, Call, and Care techniques. 2. Good Samaritan Laws and getting permission from victims.	
UNIT III	INDICATIONS FOR CPR	20
	1. Checking an unconscious victim. 2. Positioning victims.	
UNIT IV	PROCEDURES IN CPR	20

1. Steps in determining care of a victim. Examples: rescue breathing, CPR, etc.
2. Matt works on all skills related to Community CPR.

UNIT V

TYPES OF CPR

20

1. Signals of a heart attack.
2. Adult, child, and infant CPR.

Total Hours:100

Textbook:

1. Chandra, Handbook of Interventional Cardiology, JP, 1 Ed, 2015

Reference:

1. Davidson, A TextBook of Medicine, Churchill Livingston, 21 st Ed, 2010.

CLINICAL DIAGNOSIS

Course objective:

The objective of this course is that after 100 hours of L,D,P the student shall be able to understand the basic knowledge about Clinical diagnosing Ortho,Neuro and Cardio-respiratory Conditions.

Course Outcomes:

1. To understand the concept of clinical testing and its significance
2. To clearly explain the special tests of need
3. To be well versed in implications and significance of special tests
4. To be well versed in special tests of upper limb joints
5. To understand the special tests of spinal joints
6. To clearly explain the special tests of lower limb joints

UNIT I CLINICAL DIAGNOSIS OF ORTHOPAEDIC CONDITIONS 20

1. Fracture
2. Congenital disorders
3. Deformities
4. Trauma & injury
5. Orthopedic disabilities arising due to neurological conditions

UNIT II CLINICAL DIAGNOSIS OF NEUROLOGICAL CONDITIONS 20

1. Stroke

2. Brain tumors
3. Psychiatric disorders
4. Cerebellar dysfunction
5. Epilepsy
6. Demyelinating disorders

UNIT III CLINICAL DIAGNOSIS OF CARDIAC CONDITIONS 20

1. Congenital heart diseases
2. Circulatory disorders
3. Arrhythmias
4. Cardiomegaly

UNIT IV CLINICAL DIAGNOSIS OF RESPIRATORY CONDITIONS 20

1. Abnormal breathing patterns
2. COPD
3. Occupational lung diseases
4. TB & Tumours

UNIT V CLINICAL DIAGNOSIS OF OBG CONDITIONS 20

1. Prolapse of uterus
2. Hernia

3. Mastectomy
4. Antenatal complications
5. Post natal complications

Total Hours:100

Text Book:

1. Davidson, A Text Book of Medicine, Churchill Livingstone, 21 st Ed, 2010.

Reference:

1. Magee, Textbook of orthopaedics, ELBS, 7Ed, 2002

PT EVALUATION

Course objective:

The objective of this course is that after 60 hours of lectures & demonstrations, the student will be able to understand the knowledge about Physiotherapy evaluation of various conditions including orthopaedics, neurology, cardio respiratory, sports and Hand conditions.

Course Outcomes:

1. To understand the importance of evaluation and screening
2. To be well versed in clinical decision making
3. To clearly explain the methods of evaluation and general evaluation formats
4. To be well versed in PT evaluation in orthopaedic conditions
5. To understand PT evaluation in cardio-pulmonary conditions
6. To be well versed in PT evaluation in Neurological conditions
7. To clearly explain the concept of PT evaluation in sports and Hand conditions.

UNIT- I	INTRODUCTION	20
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1. Importance of evaluation
2. Importance of screening
3. Clinical decision making
4. Methods of evaluation
5. General evaluation formats

UNIT – II	ORTHOPEDIC EVALUATION	20
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1. PT Evaluation in orthopedic conditions

2. Range of motion
3. Limb length measurement
4. End feels

UNIT – III	CARDIOPULMONARY EVALUATION	20
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1. PT Evaluation in Cardiopulmonary conditions
2. Normal & abnormal heart sounds
3. ECG waveforms – normal & abnormal
4. Auscultation techniques

UNIT – IV	NEUROLOGICAL EVALUATION	20
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1. PT Evaluation in Neurology conditions
2. Myotomes
3. Dermatomes
4. Reflex testing
5. Tone assessment

UNIT – V	SPORTS AND HAND EVALUATION	20
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1. PT Evaluation in Sports & Hand conditions
2. Common sports injuries
3. Hand function
4. Ergonomic measures

Total Hours:100

Text Books:

1. David Magee , Orthopaedic physical assessment , MCgH, 3Ed, 2005
2. Frown Felter, Cardiopulmonary evaluation, ELBS, 2 Ed, 1997

Reference:

1. Lindsay ,Neurology Assessment – Mosby, 3 Ed, 2009
2. David , Sports Injuries assessment and Rehab – CBS, 1 Ed, 2004