

School of Physiotherapy

M.P.T
Semester – III

W.E.F. _____

Batch: 2013-14

Course Title	PHYSICAL AND FUNCTIONAL DISGNOSIS IN PREVENTIVE AND COMMUNITY HEALTH PHYSIOTHERAPY
Course Code	MPC301
Course Credit	Lecture:3
	Practical: 4
	Clinical Training: 4
	Total: 7

Course Objective

1. To understand the physical and functional diagnosis for the scope of physiotherapy practice in Preventive and Community Health Physiotherapy includes communities such as normal individual – neonates, children, adult, adolescent, geriatric, women's, obesity, Computer users, athletes, sports, teachers, as well as peoples with Hypertension, COPD, Aasthma, diabetes, stroke, Parkinson's, Disables, Cerebral palsy, Industrial workers, osteoporosis, disables, etc...
2. To understand the need of physical and functional diagnosis for hands on skill in evidence / outcome based practice (e.g. Survey), clinical reasoning for larger communities and social causes.
3. To learn physical and functional diagnosis for how to organise health and wellness program for communities within the scope and objectives of national and international organisations.
4. To design physical and functional outcome measures for various strategies within community / public health / physiotherapy for promotion, prevention and cure for various communal diseases and disorders.

Detailed Syllabus

Sr. No.	Name of chapter & Details	Hours Allotted
Section - I		
1.	Introduction to Physical and Functional Diagnosis in Preventive and Community Health Physiotherapy. <ul style="list-style-type: none"> • Principle of practice for physical and functional diagnosis in Preventive and Community Health Physiotherapy • The need and social services – health and community Health Care • Outcomes measures derives and utilised by various National and international association, community, support groupsfor 	4

	community services	
2.	Physical and functional diagnosis in Preventive and community health physiotherapy for healthy population:	
	• Neonates, children	8
	• adult, adolescent	8
	• Geriatric	8
	• women's health	8
	• obesity	10
	• Sedentary people – health and wellness	8
	• Professionals - Computer users, Teachers, etc...	15
	• Preventive and Community Health Physiotherapy for in sports and fitness	15
	• Rural and urban communities and approaches	15
	Section II	
3.	Physical and functional diagnosis for Promotion, Prevention and Cure in :	
	Cardio vascular diseases and disorders e.g. HTS, Heart Diseases	15
	Respiratory disease and disorders, e.g. COPD, Asthma	15
	Neurological disease and disorders .e.g. stroke & spinal cord injury, Parkinson's	15
	Musculo-skeletal disease and disorders e.g. traumatic and non – traumatic	20
	Metabolic e.g. Diabetes mellitus, rickets etc...	8
	Communicable and non-communicable disease.e.g. HIV/ AIDS, leprosy & cancer etc..	8
	Occupations Disease and disorders. e.g. cotton industries workers	8
	Epidemiological e.g. chicken Guinea etc...	4
	Functionally limitation e.g. Disables, handicapped	4
	Scopes in various diseases and Disorders	2

Instruction Method

1. Teaching and training sessions will be carried out through active learning. Active participation and contribution in group discussion and seminars are mandatory for students
2. Lectures to be conducted with the help of black board and/or audio-visual aids that includes multi-media projector, OHP, etc.
3. Problem based and/or case based assignments based on course content will be given to the students at the end of each unit/topic and will be evaluated at regular interval.
4. The course includes a laboratory where the students have an opportunity to build and appreciation for the concepts being taught in lectures.
5. Instruction method will be integrated with clinical training, bedside / class room teaching and tutorials as necessary.

Reference materials

1. Physical Medicine and Rehabilitation 4th edition Joel DeLisa, Bruce Gans, Nicolas Walsh. Lippincott Williams & Wilkins Publications.
2. Therapeutic exercise: Moving towards function 2nd edition, Carrie Hall, Lori Brody
3. Physiology of Sport and Exercise 2nd edition, Jack Wilmore, David Costill Human Kinetics Publications.
4. Physiological Approach to Clinical Neurology 3rd edition, James Lance, James
5. International Classification of functioning, disability and health: ICF 3rd edition,
6. E-resources-rehab.research.va.gov/jour/,www.cpptjournal.org ,
http://www.medindia.net/medical-journals/index, www.bmj.com,news articles, and review of literatures including publications from WCPT, APTA,etc

Course Title	ADVANCED THERAPEUTICS IN PREVENTIVE AND COMMUNITY HEALTH PHYSIOTHERAPY
Course Code	MPC302
Course Credit	Lecture:3
	Practical: 4
	Clinical Training: 4
	Total: 7

Course Objective

1. To understand the Advanced therapeutics in the scope of physiotherapy practice in Preventive and Community Health Physiotherapy includes communities such as normal individual – neonates, children, adult, adolescent, geriatric, women's, obesity, Computer users, athletes, sports, teachers, as well as peoples with Hypertension, COPD, Aasthma, diabetes, stroke, Parkinson's, Disables, Cerebral palsy, Industrial workers, osteoporosis, disables, etc...
2. To understand the Advanced therapeutics in need of hands on skill in evidence / outcome based practice (e.g. Survey), clinical reasoning for larger communities and social causes.
3. To learn advanced therapeutics in how to organise health and wellness program for communities within the scope and objectives of national and international organisations.
4. To design advanced therapeutics in various strategies within community / public health / physiotherapy for promotion, prevention and cure for various communal diseases and disorders.

Detailed Syllabus

Sr. No.	Name of chapter & details	Hours Allotted
Section – I		
1	Introduction to advanced therapeutics in rehabilitation <ul style="list-style-type: none"> • Principle and practice of physiotherapy in Preventive and Community Health Physiotherapy. • The need and social services – health and community Health Care 	4
2	Advanced therapeutics in Preventive and Community Health Physiotherapy for healthy population: <ul style="list-style-type: none"> • Neonates, children 	8

	• adult, adolescent	8
	• women's health	8
	• Geriatric	8
	• Obesity	10
	• sedentary lifestyle	8
	• Professionals - Computer users, Teachers, etc...	15
	• Preventive and Community Health Physiotherapy for in sports and fitness	15
	• Rural and urban community approaches	15
	Section II	
3	Advanced therapeutics for Promotion, Prevention and Cure in :	
	Cardio vascular diseases and disorders e.g. HTS, Heart Diseases	15
	Respiratory disease and disorders, e.g. COPD, Asthma	15
	Neurological disease and disorders .e.g. stroke & spinal cord injury, Parkinson's	15
	Musculo-skeletal disease and disorders e.g. traumatic and non – traumatic	20
	Metabolic e.g. Diabetes mellitus, rickets etc...	8
	Communicable and non-communicable disease.e.g. HIV/ AIDS, leprosy & cancer etc..	8
	Occupations Disease and disorders. e.g. cotton industries workers	8
	Epidemiological e.g. chicken Guinea etc...	4
	Functionally limitation e.g. Disables, handicapped	4
	Scopes in various disease and Disorders	2

Instruction Method

1. Teaching and training sessions will be carried out through active learning. Active participation and contribution in group discussion and seminars are mandatory for students
2. Lectures to be conducted with the help of black board and/or audio-visual aids that includes multi-media projector, OHP, etc.
3. Problem based and/or case based assignments based on course content will be given to the students at the end of each unit/topic and will be evaluated at regular interval.
4. The course includes a laboratory where the students have an opportunity to build and appreciation for the concepts being taught in lectures.
5. Instruction method will be integrated with clinical training, bedside / class room teaching and tutorials as necessary.

Reference Materials

1. Preventive and Community Health Physiotherapy of Persons with Disabilities, Pruthvish S.
2. Therapeutic exercise: Moving towards function 2nd edition, Carrie Hall, Lori Brody
3. Physical Medicine and Rehabilitation 4th edition Joel DeLisa, Bruce Gans, Nicolas
4. Physical Rehabilitation: Assessment and Treatment 5th edition, Susan O'Sullivan,
5. Industrial Therapy 1st edition, Glenda Key Mosby Publications.
6. Physiology of Sport and Exercise 2nd edition, Jack Wilmore, David Costill Human
7. Physiological Approach to Clinical Neurology 3rd edition, James Lance, James
8. E-resources-rehab.research.va.gov/jour/,www.cpptjournal.org ,
<http://www.medindia.net/medical-journals/index>, www.bmj.com/news articles, and review of literatures including publications from WCPT, APTA,etc

Course Title	PHYSIOTHERAPY IN PREVENTIVE AND COMMUNITY HEALTH PHYSIOTHERAPY
Course Code	MPC303
Course Credit	Lecture:3
	Practical: 4
	Clinical Training: 2
	Total: 6

Course Objective

1. To understand the scope of physiotherapy practice in Preventive and Community Health Physiotherapy includes communities such as normal individual – neonates, children, adult, adolescent, geriatric, women's, obesity, Computer users, athletes, sports, teachers, as well as peoples with Hypertension, COPD, Aasthma, diabetes, stroke, Parkinson's, Disables, Cerebral palsy, Industrial workers, osteoporosis, disables, etc...
2. To understand the need of hands on skill in evidence / outcome based practice (e.g. Survey), clinical reasoning for larger communities and social causes.
3. To learn how to organise health and wellness program for communities within the scope and objectives of national and international organisations.
4. To design various strategies within community / public health / physiotherapy for promotion, prevention and cure for various communal diseases and disorders.

Detailed Syllabus

Sr. No.	Name of chapter & details	Hours Allotted
Section – I		
1	Introduction to advanced therapeutics in rehabilitation <ul style="list-style-type: none"> • Principle and practice of physiotherapy in Preventive and Community Health Physiotherapy. • The need and social services – health and community Health Care 	4
2	National and international organization serving for prevention, promotion and care to various communities.	10
3	Preventive and Community Health Physiotherapy for healthy	

	population:	
	Neonates, children	5
	adult, adolescent	6
	women's health	6
	Geriatric	6
	Obesity	6
	sedentary lifestyle	6
	Professionals - Computer users, Teachers, etc...	10
	Preventive and Community Health Physiotherapy for in sports and fitness	12
	Rural and urban community approaches	10
	SECTION II	
4	Prevention and community physiotherapy for Promotion, Prevention and Cure in :	
	Cardio vascular diseases and disorders e.g. HTS, Heart Diseases,	10
	Respiratory disease and disorders, e.g. COPD, Asthma	10
	Neurological disease and disorders .e.g. stroke & spinal cord injury, Parkinson's	10
	Musculo-skeletal disease and disorders e.g. traumatic and non – traumatic	15
	Metabolic e.g. Diabetes mellitus, rickets etc...	8
	Communicable and non-communicable disease.e.g. HIV/ AIDS, leprosy & cancer etc..	8
	Occupations Disease and disorders. e.g. cotton industries workers	8
	Epidemiological e.g. chicken Guinea etc...	4
	Functionally limitation e.g. Disables, handicapped	6
	Scopes in various disease and Disorders	2

Instruction Method

1. Teaching and training sessions will be carried out through active learning. Active participation and contribution in group discussion and seminars are mandatory for students
2. Lectures to be conducted with the help of black board and/or audio-visual aids that includes multi-media projector, OHP, etc.
3. Problem based and/or case based assignments based on course content will be given to the students at the end of each unit/topic and will be evaluated at regular interval.
4. The course includes a laboratory where the students have an opportunity to build and appreciation for the concepts being taught in lectures.
5. Instruction method will be integrated with clinical training, bedside / class room teaching and tutorials as necessary.

Reference materials

1. Preventive and Community Health Physiotherapy of Persons with Disabilities, Pruthvish S.
2. Therapeutic exercise: Moving towards function 2nd edition, Carrie Hall, Lori Brody
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6. Physiology of Sport and Exercise 2nd edition, Jack Wilmore, David Costill Human
7. Physiological Approach to Clinical Neurology 3rd edition, James Lance, James
8. E-resources-rehab.research.va.gov/jour/,www.cpptjournal.org ,
<http://www.medindia.net/medical-journals/index>, [www.bmj.com](http://www.bmj.com/news),news articles, and review of literatures including publications from WCPT, APTA,etc

Course Title	CURRENT CONCEPTIN PREVENTIVE AND COMMUNITY HEALTH PHYSIOTHERAPY
Course Code	MPC 304
Course Credit	Lecture:4
	Practical: 0
	Clinical Training: 0
	Total: 4

Course Objective

1. To understand the current concepts in scope of physiotherapy practice in Preventive and Community Health Physiotherapy includes communities such as normal individual – neonates, children, adult, adolescent, geriatric, women's, obesity, Computer users, athletes, sports, teachers, as well as peoples with Hypertension, COPD, Aasthma, diabetes, stroke,Parkinson's, Disables, Cerebral palsy, Industrial workers, osteoporosis, disables, etc...
2. To understand the current concepts in need of hands on skill in evidence / outcome based practice (e.g. Survey), clinical reasoning for larger communities and social causes.
3. To learn the current concepts in how to organise health and wellness program for communities within the scope and objectives of national and international organizations.

Detailed Syllabus

Sr. No.	Name of chapter & Contents	Hours Allotted
Section – I		
1.	Introduction to current concept in Preventive and Community Health Physiotherapy <ul style="list-style-type: none"> • Principle and practice of current concept in Preventive and Community Health Physiotherapy. • The need and social services – community Health Care 	4
2	Current concept in Preventive and Community Health Physiotherapy for healthy population:	
	Neonates, children	4
	adult, adolescent	4
	women's health	4

	Geriatric	4
	obesity	4
	sedentary lifestyle	4
	Professionals - Computer users, Teachers, etc...	4
	Preventive and Community Health Physiotherapy for in sports and fitness	4
	Section II	
3	Prevention and community physiotherapy for Promotion, Prevention and Cure in :	
	Cardio vascular diseases and disorders e.g. Hypertension, Heart Diseases,	4
	Respiratory disease and disorders, e.g. COPD, Asthma	4
	Neurological disease and disorders .e.g. stroke & spinal cord injury, Parkinson's	4
	Musculo-skeletal disease and disorders e.g. traumatic and non – traumatic	4
	Metabolic e.g. Diabetes mellitus, rickets etc...	4
	Communicable and non-communicable disease.e.g. HIV/ AIDS, leprosy & cancer etc..	4
	Occupations Disease and disorders. e.g. cotton industries workers	4
	Epidemiological e.g. chicken Guinea etc...	4
	Functionally limitation e.g. Disables, handicapped	2
	Scopes in various disease and Disorders	2

Instruction Method

1. Teaching and training sessions will be carried out through active learning. Active participation and contribution in group discussion and seminars are mandatory for students
2. Lectures to be conducted with the help of black board and/or audio-visual aids that includes multi-media projector, OHP, etc.
3. Problem based and/or case based assignments based on course content will be given to the students at the end of each unit/topic and will be evaluated at regular interval.

Reference materials

1. E-resources-rehab.research.va.gov/jour/,www.cpptjournal.org ,
http://www.medindia.net/medical-journals/index, www.bmj.com,news articles,
and review of literatures including publications from WCPT, APTA,etc...