

Level 4000- Semester 1

Course No.	: AH 4101
Course Title	: Proposal Formulation and Presentation
Credits	: 02
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Lectures-20hrs
Aims and / or objectives and / or Intending learning outcomes:	
At the successful completion of the course, student will be able to,	
<ol style="list-style-type: none"> 1. describe various types of research designs data collection, 2. analysis of results and write a research protocol of a selected research topic 	
Course syllabus / Course Description	
Frequency measuring techniques in health and medicine, Introduction to research methods in health and medical sciences, Descriptive studies, Observational analytical studies. Experimental study designs, Introduction to errors in health / medical research, Validity of results of a research, Reliability of results of a research, Causation in clinical and epidemiological research, Data collection Techniques.	
Recommended references:	
1) Marshall C, Rossman G. Designing Qualitative Research (1999) , Sage Research Projects Health Systems Training Series Vol 2	
Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	20%
End Semester Examination	80%

Course No	: PT 4101
Course Title	: Physiotherapy in Geriatrics
Credits	: 03
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Lectures-20hrs, Clinicals-50hrs
Aims and / or objectives and / or Intended learning outcomes:	
At the successful completion of the course, the students will be able to;	
<ol style="list-style-type: none"> 1. describe anatomical and physiological changes associated with ageing 2. describe common medical problems associated with ageing and their physiotherapy management 3. outline the measures of disease prevention in the elderly 4. outline social and ethical concerns related to providing care for the elderly 5. describe Comprehensive Geriatric Assessment (CGA) 6. plan and manage rehabilitation programmes for older persons 	

Course syllabus / Course Description	
Introduction to geriatrics, Anatomical and physiological changes associated with ageing, Pathology of normal ageing and age related diseases, Comprehensive geriatric assessment, Medical and social problems related to ageing, Acute and chronic care of the elderly, Rehabilitation, Psychology of ageing, Disease prevention in the elderly, Hospices care, Nutrition, Ethics	
Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	20 %
End Semester Examination	80%
Course No	: PT 4102
Course Title	: Clinical Practice in musculoskeletal physiotherapy
Credits	: 05
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Clinical Practice-300hrs
Aims and / or objectives and / or Intending learning outcomes:	
At the successful completion of the course, the students will be able to:	
<ol style="list-style-type: none"> 1. demonstrate the skills in problem identification, goal setting and implementation of physiotherapy interventions 2. identify the impact of the severity of the injury 3. implement the client specific exercise programmes 4. demonstrate the ability to communicate with other professionals to provide a quality care for the client 	
Course syllabus / Course Description	
Physical and Psychological problems due to musculoskeletal problems, interventions accordingly to the needs of individual, Evaluation and modification of intervention accordingly, recording, referring and making reports, Communication skills with clients/family members/other health care providers, how to rehabilitate an amputated patient, professional behavior and professional ethics	
Recommended Texts (if any):	
<ul style="list-style-type: none"> • Solomon L.; Warwick D. J.; Apley's Concise System of Orthopedics and Fractures; 10th edition • Essentials of Orthopaedics & Applied Physiotherapy – Jayant Joshi • Magee D. J.; Orthopaedic Physical Assessment; 5th edition • Joshi J.; Kotwal P.; Essentials of Orthopaedics and Applied Physiotherapy • S. Brent Brotzman, Kevin E. Wilk Clinical orthopedic rehabilitation; 4th edition 	
Assessment	Percentage Mark / Percentage Mark Range
Continuous assessment	20%
End Semester Examination	80%

Course No.	: PT 4103
Course Title	: Clinical Practice in common medical, obstetrics and gynecological conditions for Physiotherapists
Credits	: 03
Prerequisite	: None
Compulsory / Optional	: Compulsory

Time Allocation : Clinical practice-180hrs	
Aims and / or objectives and / or Intending learning outcomes: At the successful completion of the course, the students will be able to:	
<ol style="list-style-type: none"> 1. demonstrate the ability to assess and find out medical, obstetrics and gynaecological conditions 2. demonstrate the ability to plan a programme of interventions with set goals according to the needs of the individuals 3. keep accurate records, refer to other health professionals and make reports 4. communicate effectively with clients, family members, colleagues and other health care providers 	
Course syllabus / Course Description	
Skills in problem identification, Goal setting & clinical reasoning that assist to treat patients with medical, obstetrics and gynecological conditions, rehabilitate the patient accordingly, document findings correctly & precisely.	
Recommended Texts (if any):	
<ul style="list-style-type: none"> • Cash's Textbook of General Medical and Surgical Conditions for Physiotherapists • Davidson's Principles and Practice of Medicine • Harrison's Internal Medicine • Kisner C, Colby LA. (2007) <i>Therapeutic exercise, Foundations and Techniques</i>. 5th edition. Philadelphia. F.A.Davis Company. p. 797-824. • Porter, S.B. (2003) <i>Tidy's Physiotherapy</i>. 13th edition. Elsevier. Martins the printers. P. 157-182. • Physiotherapy in Obstetrics and Gynecology by Polden 	
Assessment	Percentage Mark / Percentage Mark Range
Continuous assessment	20%
End Semester Examination	80%

Course No	: PT 4104
Course Title	: Clinical Practice in Rehabilitation and Community Role
Credits	: 03
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Clinical Practice-180hrs
Aims and / or objectives and / or Intending learning outcomes:	
At the successful completion of the course, the students will be able to:	
<ol style="list-style-type: none"> 1. Identify different types of diseases in community level 2. Assess the needs of patients at community level 3. Design specific rehabilitation programmes at community level 	

Course syllabus / Course Description

Problem identification, setting goals and implementation of physiotherapy intervention, Identification of psychological and economical impact on clients to direct them for other services that are available, Implementation of client specific group exercise programs, Effective communication skills with other professionals to provide a quality care for the client.

Recommended references:

- 3) Rehabilitation Medicine by Howard A Rusk.
- 4) Rehabilitation Medicine by Joel A De Lisa

Assessment	Percentage Mark / Percentage Mark Range
Continuous assessment	20%
End Semester Examination	80%

Level 4000- Semester 2

Course No.	: PT 4201
Course Title	: Clinical Practice in Neurology and Neurosurgery
Credits	: 05
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Clinical practice-300hrs
Aims and / or objectives and / or Intending learning outcomes:	
<p>At the successful completion of the course, the students will be able to:</p> <ol style="list-style-type: none"> 1. demonstrate the ability to assess and find out the physical & psychological problems that the individual faces due to neurological problems 2. demonstrate and ability to plan a programme of interventions with set goals according to the needs of the individual 3. implement the programme of interventions and evaluate it and modify if necessary to achieve the set goals 4. keep accurate records, refer to other health professionals and make reports when necessary 5. communicate effectively with clients, family members colleagues and other health care providers 	
Course syllabus / Course Description	
<p>Physical and Psychological problems due to neurological problems, interventions accordingly to the needs of individual, Evaluation and modification of intervention accordingly, recording, referring and making reports, Communication skills with clients/family members/other health care providers.</p>	
Recommended Texts (if any):	
<ul style="list-style-type: none"> • Walker, B., Colledge, N.R., Ralston, S. and Penman, I. (2014). Davidson's Principles and Practice of Medicine. Elsevier, Churchill Livingstone. • Ropper, A.H., Samuels M.A. and Klein, J. (2014). Adams and Victor's principles of neurology. New York : McGraw-Hill Education Medical. • Kumar, P. and Clark, M. Kumar & Clark's Clinical Medicine. Elsevier, Saunders. • Snell, R.S. Clinical Neuroanatomy. Lippincott. Williams and Wilkins. • O' Sullivan, S.B. and Schmitz, T.J. Physical rehabilitation. E.A.Davis Company. Philadelphia. • Dwnie, P.A. Cash's Textbook of Neurology for Physiotherapists. Jaypee brothers. Gopsons papers ltd, India. • O' Sullivan, S.B. and Schmitz, T.J. Physical rehabilitation. E.A.Davis Company. Philadelphia. • Bobath B. (1990) Adult Hemiplegia; Evaluation and Treatment • Haerer A.F. (1992) DeJong's The Neurological Examination • Stokes, M. and Stack, E. (2012). Physical Management for Neurological Conditions. Elsevier. Chuechill. Livingstone. 	
Assessment	Percentage Mark / Percentage Mark Range
Continuous assessment	20%
End Semester Examination	80%

Course No	: PT 4202
Course Title	: Clinical Practice in Intensive Care Unit
Credits	: 03
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Clinical Practice-180hrs
Aims and / or objectives and / or Intending learning outcomes:	
At the successful completion of the course, the students will be able to:	
1. demonstrate skills in the assessment and management of patients in the ICU set up with regard to physiotherapy	
Course syllabus / Course Description	
Assess & manage patients in ICU set-up and work collaboratively with the health care team	
Recommended Texts (if any):	
<ul style="list-style-type: none"> • Chest Physiotherapy in Intensive Care Unit by Mackenzi • Cash's Text Book of Chest, Heart, Vascular Disorders for Physiotherapists. 	
Assessment	Percentage Mark / Percentage Mark Range
Continuous assessment	20%
End Semester Examination	80%

Course No	: PT 4203
Course Title	: Clinical Practice in Cardio-respiratory and Surgical Conditions
Credits	: 03
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Clinical practice-180hrs
Aims and / or objectives and / or Intending learning outcomes:	
At the successful completion of the course, the students will be able to:	
a. demonstrate the skills in problem identification, goal setting and clinical reasoning that assist to treat patients	
b. manage the patients pre and post operatively by means of physiotherapy	
c. conduct cardiac rehabilitation and pulmonary rehabilitation programmes	
Course syllabus / Course Description	
Problem identification, setting goals and clinical reasoning accordingly to cardiovascular and pulmonary disorders, Pre and post-operative management, cardiac rehabilitation and pulmonary rehabilitation programs	
Recommended Texts (if any):	
<ul style="list-style-type: none"> • Irwin S.; Tecklin J. S; Cardiopulmonary Physical Therapy; 3rd edition • Thomson A.; Skinner A.; Tidy's Physiotherapy; 12th edition 	

<ul style="list-style-type: none"> • Cash's Text Book of Chest, Heart, Vascular Disorders for Physiotherapists. • Essentials of Cardio Pulmonary Physical Therapy by Hillegass and Sadowsky • Cardio pulmonary Symptoms in physical Therapy practice Cohen and Michel • Chest Disease by Crofton and Douglas. 	
Assessment	Percentage Mark / Percentage Mark Range
Continuous assessment	20%
End Semester Examination	80%

Course No.	: PT 4204
Course Title	: Research Project in physiotherapy
Credits	: 04
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Research activities-240hrs.
Aims and / or objectives and / or Intending learning outcomes:	
<p>At the successful completion of the course, the students will be able to:</p> <ol style="list-style-type: none"> 1. undertake critical reading skills and critical analysis of material 2. integrate data and knowledge to synthesize complex information 3. produce a clearly defined and usable outcome within a specific time scale 4. demonstrate a level of expert knowledge in a particular subject or issue 	
Course syllabus / Course Description	
<p>Feasible research proposal formulating a research question or testable hypothesis, study & analyse the data that has been collected, presentation of the study & analysed data in written document, a dissertation, article to be published in a journal.</p> <p>Recommended references:</p> <p>1) Marshall C, Rossman G. Designing Qualitative Research (1999) , Sage Research Projects Health Systems Training Series Vol 2</p>	
Assessment	Percentage Mark Range
Project proposal	5%
Proposal presentation/defense	10%
Dissertation evaluation	10%
Final presentation	20%
Viva	50%
Supervisor evaluation	5%
Course No.	: PT 4205
Course Title	: Inter-relationship with Health Care Professions
Credits	: non-credit
Prerequisite	: None
Compulsory	: P/F
Time Allocation	: Lectures- 30hrs

Aims and / or objectives and / or Intending learning outcomes:

At the successful completion of the course, the students will be able to:

1. describe the role of the related health care professionals
2. plan a transfer of the patient to the relevant health care professional

Course syllabus / Course Description

Introduction to occupational therapy, hand therapy, speech therapy, prosthesis & orthotics, kinesiology, podiatry, ergonomics, nutrition

Recommended References:

1. Introduction To The Health Professions 5th Edition by Peggy Stanfield, Nanna Cross, Y.H. Hui
2. Regulating the Health Profession 1st Edition by Judith Allsop and Mike Saks.

Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	20%
End Semester Examination	80%

* Credits are not calculated with final GPA evaluation

Prepared by;

Dept. of Physiotherapy