

Level 1000- Semester 1

Course No	: AH 1101
Course Title	: English and Communication Skills I
Credits	: 02
Prerequisite	: None
Compulsory / Optional	: Compulsory
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:	
<ol style="list-style-type: none"> 1. write a simple description of scientific context; 2. read a text to gather information, process information appropriately; 3. take down lecture notes; 4. use a dictionary for self- learning purposes; 5. take part in simple conversations; 6. ask and answer simple questions related to their academic setting. 	
Course syllabus / Course Description	
<p>Language Development and Writing (English for Academic Purposes-EAP): Parts of speech, Use of parts of speech in medical context, The main sentence structures in English, Different kinds of phrases, Developing writing skills: schemata and static description. Listening: Introduction to basic listening skills: brain storming, identifying key words, note taking: pattern notes, linear notes, Practicing note taking- flow charts, tree diagrams, labeling diagrams, tables, etc. Reading: Surveying a text book, Skimming and scanning an article, Previewing an article, Identifying the main idea and the topic of a paragraph. Vocabulary: Introducing dictionary skills, Phonetic symbols, Pronunciation, etc., Punctuations of sentences (using of capital letters). Speech: Greeting and introducing (self and others), Making requests, Asking for and giving permission, Offering help, Giving instructions and directions, Telephone skills. (Note: All four language skills: Reading, Writing, Listening and Speaking, are incorporated in teaching)</p>	
Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	40%
End Semester Examination	60%

* Credits are not calculated with final GPA evaluation

Course No	: AH 1102
Course Title	: Information Technology
Credits	: 02
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Lectures- 15hr, Practical work- 30hr
Aims and / or objectives and / or Intending learning outcomes:	
At the successful completion of the course, the students will be able to:	
1. manage and self-develop it skills in the future learning activities and their professional life.	
Course syllabus / Course Description	
Fundamentals basic concept of computers, System Analysis and Design , Data Processing, Data Communication, Practical-Internet and E-mail, Web Page Development, Languages.	
Recommended references:	
1) Elias M (1989), System Analysis. Award Galgotia Publications, New Delhi.	
2) Peter Norton (1988), Inside IBM PC. Brady Computer Books, New York.	
Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	20%
End Semester Examination	80%

* Credits are not calculated with final GPA evaluation

Course No	: AH 1103
Course Title	: Basic Human Anatomy
Credits	: 02
Prerequisite	: None
Compulsory / Optional	: Compulsory
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. define various terminology used in anatomy and it's sub divisions	
2. explain the organization of human body at different levels, namely cell, tissues and organs forming systems	
3. explain briefly the normal structure of cell tissues, organs, systems and their inter-relationships	
4. identify the structures of human body in diagrams, models and specimens	
Course syllabus / Course Description	
The structure and function of the cell, Organization of the body and basic tissue types, Structure of Cardiovascular system, Lymphatic system, Respiratory System, Digestive System, Genito-	

Urinary System, Endocrine System, Musculoskeletal System, Nervous System, Sensory Organs

Recommended references:

- 1) Seeley, Stephens and Tate (2003) Anatomy and physiology International Edition McGraw-Hill
- 2) Ross and Wilson (2006) Anatomy and Physiology in Health and Illness Elsevier Limited.

Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	25 %
End Semester Examination	75 %

Course No : AH 1104
Course Title : Human Physiology I
Credits : 03
Prerequisite : None

Compulsory / Optional : Compulsory

Time Allocation : Lectures-35hrs, Practicals-20 hrs

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

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

1. how the body is organized for function
2. the functions of different systems of the body
3. the integration and control mechanisms of body functions to maintain homeostasis

Course syllabus / Course Description

Organization of the body for function, Homeostasis, Body fluids, Temperature regulation, Growth and development, Ageing, Musculo-skeletal system, Blood (RBC, WBC, Platelets, Blood groups and blood transfusion, Haemostasis, Haematological disorders, body defence mechanisms and immunity), Cardiovascular system (heart & circulatory system), Lymphatic system, respiratory system, Digestive system

Recommended references

- 1) Seeley, Stephens and Tate (2003) Anatomy and physiology International Edition McGraw-Hill
- 2) Ross and Wilson (2006) Anatomy and Physiology in Health and Illness Elsevier Limited.
- 3) Saladin K.S. (2003) Anatomy and physiology International Edition McGraw-Hill
- 4) Sheir D., Butler J. and Lewis R. (2000) Hole's essential of human anatomy and physiology International Edition McGraw-Hill
- 5) Tortora G. and Grabowski S.R. (2005) Principles of anatomy and physiology New York Harper Collins

Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	30 %
End Semester Examination	70 %

Course No	: AH 1106
Course Title	: Introduction to Psychology
Credits	: 02
Prerequisite	: None
Compulsory / Optional	: Compulsory
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;	
<ol style="list-style-type: none"> 1. explain the major perspectives in psychology; 2. identify different sources of evidence in psychology; 3. discuss the psychological influences in healthcare; 4. apply and relate the psychological concepts into health care. 	
Course syllabus / Course Description	
Introduction to psychology with an emphasis on health-related issues, major perspectives in psychology, psychology applied to nursing and health care in general, coping with stressful situations, promotion of attachment and bonding between infant and care giver.	
Recommended references:	
<ol style="list-style-type: none"> 1) Essential psychology for nurses and other health professionals. London: Russell, G. (1999). Routledge 2) Hilgard's introduction to psychology. Hodder& Stoughton. Marks, D.F., Murray, M., Evans, B., and Willig, C. (2000). 3) Health psychology: theory, research and practice. London, Sage. Mischel, W. (1999). 4) Personality. London: Harcourt Brace. Pervin, L., & John, O. (1997). 5) Personality psychology. New York: Wiley. Seifert, K.L., Hoffnung, R.J., & Hoffnung, M. (2000). 	
Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	40 %
End Semester Examination	60%

Course No.	: PT 1101
Course Title	: Biochemistry for Physiotherapists
Credits	: 02
Prerequisite	: None
Compulsory / Optional	: Compulsory
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:	
<ol style="list-style-type: none"> 1. explain the normal biochemical and physiological processes in the human body 2. compare the deviations from norms, related to biochemical and nutritional status 	
Course syllabus / Course Description	
Structure and Function of carbohydrates-Lipids-Proteins and nucleic acids (definition, classification and general functions), Steps of Metabolism of carbohydrate-Lipids-Proteins and Nucleic acids, Vitamins(definition, classification and functions, dietary source, daily requirements and deficiency disorders), pH and buffers, Steps of biological oxidation,	

Enzymes(Definition and classification of with the examples, factors affecting enzymes, properties and kinetics, clinical importance of enzymes), Biochemistry of connective tissues(Introduction to various connective tissue proteins: Collagen, elastin- structure and associated disorders), Haemoglobin formation and catabolism, Mechanisms of hormone action, Biochemistry of neurotransmitters, Detoxification and excretion

Recommended references:

- 1) Biochemistry by Lippincot, Harpers Illustrated Biochemistry, 26th Edition
- 2) Medical Biochemistry by N.V. Bhagavan

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

Course No. : PT 1102

Course Title : Microbiology for Physiotherapists

Credits : 01

Prerequisite : None

Compulsory / Optional : Compulsory

Time Allocation : Lectures-15hrs

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

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

develop a comprehensive understanding and appreciation for the diversity and significance of microbes on planet earth, including

1. the principles of microbial metabolism, growth, genetics and identification
2. diversity of prokaryotes and eukaryotes and their evolutionary relationships
3. interactions and impact of microorganisms in the environment
4. interactions and impact of microorganisms with plant, animal and human hosts

Course syllabus / Course Description

Introduction to Microbiology, Classification of microorganisms, Sterilization, disinfection and Handling of infected material, Mode of transmission of diseases, hospital acquired infections, Introduction to Bacterial, viral and Fungal diseases, Basic concepts of immunology.

Recommended Textbooks:

- 1) Short text book of Medical Microbiology by Sathish Gupta
- 2) Text book of Microbiology by Jayaram Panicker
- 3) Microbiology &Parasitology by Rajeshwar Reddy
- 4) Text book of Microbiology by Anantha Narayanan
- 5) Microbiology by Baveja
- 6) Text book of microbiology by Chakraborty

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

Course No.	: PT 1103
Course Title	: Physiotherapy as a Profession
Credits	: 02
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Lectures -30hrs
Aims and / or objectives and / or Intending learning outcomes:	
<p>At the successful completion of the course, the student will be able to:</p> <ol style="list-style-type: none"> 1. describe the history of physiotherapy in Sri Lanka and neighbouring countries 2. explain the work of professional organizations 3. describe the role of physiotherapy in health care 4. describe the values of physiotherapy 5. identify the ethical and legal aspects of physiotherapy services 	
Course syllabus / Course Description	
<p>Introduction to Physiotherapy and scope of practice, Basic definitions and terms related to physiotherapy, History of physiotherapy, Identification the ethical principles related to physiotherapy, Professional ethics in research, Education and patient physiotherapeutic care delivery, Informed consent issues, Rules of professional conduct; Relationship with patients, health care institutions, colleagues and peers, medical and other professionals, Confidentiality & responsibility, Malpractice and negligence, Identification the legal aspects of physiotherapy services; Acts and legal responsibility of physiotherapist for their action in professional context and understanding liability and obligations in case of medico-legal action, Enforcing standards in health profession-promoting quality care, Device strategies to continue Professional Development, Describe the role of physiotherapy in health care, Recognize & appreciate the values of physiotherapy.</p>	
Recommended texts (if any):	
O'Sullivan S, Schmidt TJ, Fulk G. Physical Rehabilitation Assessment and Treatment, 6th ed., F.A. Davis, 2013.	
Porth C and Grossman S. Pathophysiology: Concepts of Altered Health States. 9th ed., Lippincott, Williams & Wilkins, Philadelphia. 2012.	
Other Recommended Resources:	
<ul style="list-style-type: none"> • World Health Organization Disablement Model - International Classification of Functioning, Disability and Health; www.who.int/classifications/icf/en/ • World Confederation of Physical Therapy; www.wcpt.org • Healthy People 2020; http://www.healthypeople.gov/ • American Physical Therapy Association: www.apta.org 	
Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	20%
End Semester Examination	80%

Course No	: PT 1104
Course Title	: Pathology for Physiotherapists
Credits	: 03
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation.	: Lectures- 45 hrs
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. understand and use the current and relevant terminology for the purposes of reading, self-learning and working in teams of medical care personal. 2. to use and integrate the underlining knowledge of general principles of disease process in providing appropriate physiotherapy care for patients. 3. to understand the influence and the importance of physiotherapy care process of healing and cure. 	
Course syllabus / Course Description	
<p>Introduction to pathology, cell injuries (reversible and irreversible cell injuries), Acute and chronic inflammation, wound and fracture healing, circulatory disturbances, Oedema-types and pathogenesis, Thrombosis and embolism. Growth disturbances and Neoplasia (atrophy, hypertrophy, hyperplasia, dysplasia, metaplasia) neoplasia- Definition and classification, Tumor epidemiology, Biology and morphology of neoplasia, carcinogenesis, Potentially malignant disorders. Respiratory system pathologies, Cardiovascular pathologies, Musculoskeletal pathologies , Endocrine pathologies and complications, Neuropathology, Pathologies of kidneys and urinary tract .</p>	
Recommended references:	
<ol style="list-style-type: none"> 1) Robbins & Cotran.(1995) <i>Pathologic basis of Disease</i>. 7th Edition.saunders 2) D A Levson,Reid R.(1994)<i>Muir's Text Book of Pathology</i>, 13th Edition, 3) Govan D T,Macfarlane & Callender R.(1995).<i>Pathology illustrated</i> .Edinburgh.Churchill Livingstone. 4) Lakhani S R,Dilly S A,Finlayson C J & Dogan A(2003). <i>Basic Pathology:An introduction to the mechanism of Disease</i> 	
Assessment	
	Percentage Mark / Percentage Mark Range
Continuous Assessment	20%
End Semester Examination	80%

Level 1000- Semester 2

Course No	: AH 1201
Course Title	: English and Communication Skills II
Credits	: 02
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Lectures-30hrs
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. use the passive voice where and when required 2. discuss the results of a practical using appropriate tense and grammar components 3. take down lecture notes and answer questions based on the lecture 4. review an article 5. read and understand a text easily and answer comprehension questions 6. converse appropriately in an academic setting 	
Course syllabus / Course Description	
<p>Language Development and Writing (English for Academic Purposes-EAP): Study of the use of verbs in detail (transitive/ intransitive, active/passive, types of verbs), Introduction to relative clauses, Laboratory report writing: present/past tense, active/passive voice, present perfect tense, modal auxiliary verbs, Dictation. Listening: Improving listening skills through subject based and general talks/mini-lectures/speeches, etc., Activities and exercises based on the above. Reading: Note making while reading, Reading comprehension-general and academic, Identifying contextual references, Rephrasing, Vocabulary development, and Individual loud reading. Prefixes and suffixes, Root words (Latin/Greek) related to medical terminology, Activities incorporated with reading lessons. Speech: Activities consolidated with parallel Grammar, Reading and Listening lessons. (Note: All four language skills: Reading, Writing, Listening and Speaking, are incorporated)</p>	
Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	40%
End Semester Examination	60%

* Credits are not calculated with final GPA evaluation

Course No	: AH 1202
Course Title	: Basic Statistics
Credits	: 02
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Lectures- 30hrs
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. organize and display data; 2. summarize data and find variation; 3. apply the knowledge in following areas: curve fitting, probability, simple regression and correlation, test of hypothesis and significance, student “t”, “F” and chi-square distributions, analysis of variance. 	
Course syllabus / Course Description	
<p>Description of statistics: Descriptive statistics, What is statistics, Importance of statistics, What is biostatistics, Application of statistics and biological sciences, How samples are selected. Organizing and Displaying Data : Variables, Quantitative and qualitative variables, Univariate data, Bivariate data, Random variables, Frequency table, Diagrams, Pictograms, Simple bar charts, Multiple bar charts, Histograms. Summarizing Data and Variation: The mean, The median, The mode, The mean deviation, The variance and standard deviation, Coefficient of variation. Curve fitting: Fitting a straight line, Fitting of parabolic or high degree curve. Probability: Definitions, Probability rules. Probability distributions (Binomial and Normal Distributions). Simple Regression and Correlation: Introduction, Simple linear regression model, Correlation co-efficient. Test of Hypothesis and Significance: Statistical hypothesis, Level of significance, Test of significance, Confidence intervals, Test involving binomial and normal distributions. Student “t”, “F” and Chi-Square Distributions: Test of significance based on “t”, “F” and Square distributions. Analysis of Variance: One-way classification, Two-way classification, Partitioning of sum of squares and degrees of freedom, Multiple comparison tests such as LSD, The analysis of variance models</p>	
Recommended references:	
<ol style="list-style-type: none"> 1) Daniel W.W. Bio-Statistics, Foundation for Analysis in Health Science. 3rd Edition, 1983. 2) Zar J. H. Bio-Statistical analysis, Francis Hall, N.J. U.S.A. 3) Nilton, J.S. and Tsokos, J.D., Statistical Methods in Biological and health Sciences, Mc Grew-Hill. 1983. 4) Chaudhry S.A. and Kamal S. Introduction to Statistical Theory, Part-I and Part-II, Ilmi Kitab Khana, Urdu Bazar, Lahore.1996. 	
Assessment	Percentage Mark/ Percentage Mark Range
Continuous Assessment	20%
End Semester Examination	80%

Course No	: AH 1204
Course Title	: Human Physiology II
Credits	: 03
Prerequisite	: None
Compulsory / Optional	:Compulsory
Time Allocation	: Lectures -37hrs, Practical -16 hrs
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. describe how the different systems are integrated 2. describe the structure and functions of the systems of the body in relation to homeostasis <p>explain the physiological basis for the occurrence of various disturbances to homeostasis</p>	
Course syllabus / Course Description	
<p>Endocrine system (General functions of hormones, types, mode of transport, regulation of secretion, receptors and their location in cells, Hypothalamic –pituitary unit, Pituitary gland, Thyroid gland, Parathyroid hormones, Adrenal hormones, Pancreatic hormones, other organs with an endocrine function), Nerve & muscle (Functional anatomy, muscle contraction, neuromuscular transmission, neuromuscular blocking agents ,nerve conduction studies, electromyogram, muscular exercise), Nervous system (central, peripheral, cerebral hemispheres & spinal cord, sensory system, motor system, extrapyramidal system, cerebellum, reflex arc, stretch reflex, muscle tone & power, lower motor neurone and upper motor neurone, functions of brain stem, pain & referred pain CSF , Autonomic nervous system), Special senses (vision, hearing) , Urinary system (functional anatomy, functions of the kidney in homeostasis, functions of nephron , forces acting on glomerular capillaries steps in urine formation, hormonal control of fluid and sodium balance, micturition) , Reproductive system (puberty in male and female, female reproductive system, male reproductive system, pregnancy, lactation and hormonal control, fertility and infertility in male and female, principles of contraception)</p>	
Recommended references:	
<ol style="list-style-type: none"> 1) Seeley, Stephens and Tate (2003) Anatomy and physiology International Edition McGraw-Hill 2) Ross and Wilson (2006) Anatomy and Physiology in Health and Illness Elsevier Limited. 3) Saladin K.S. (2003) Anatomy and physiology International Edition McGraw-Hill 4) Sheir D., Butler J. and Lewis R. (2000) Hole’s essential of human anatomy and physiology International Edition McGraw-Hill 5) Tortora G. and Grabowski SR (2005) Principles of anatomy and physiology New York Harper Collins 	
Assessment	Percentage Mark/ Percentage Mark Range
Continuous Assessment	30 %
End Semester Examination	70 %

Course No.	: PT 1201
Course Title	: Human Anatomy for Physiotherapists
Credits	: 03
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Lectures-30hrs, Practicals-30hrs
Aims and / or objectives and / or Intending learning outcomes:	
At the successful completion of the course, the student will be able to:	
1. describe the Osteological features of bones	
2. describe the attachments, actions and nerve supply of relevant skeletal muscles	
3. identify the structures of the human body based on practical demonstrations	
4. describe the basic concepts of applied anatomy	
Course syllabus / Course Description	
<i>Theory</i>	
Musculoskeletal Anatomy (including surface anatomy) - All muscles, bones and joints in detail Upper Extremity, Lower Extremity , Trunk and Pelvis and Head/Neck , Neuroanatomy, Basic applied anatomy	
<i>Practical</i>	
Surface anatomy of Head, neck, thorax, abdomen, back, upper limb and lower limb, Joints and muscles (including surface Anatomy), Spinal cord and Brain	
Recommended Texts (if any):	
Richard L. Drake, A. Wayne Vogl, Adam W.M. Mitchell; Gray's anatomy for students	
Assessment	Percentage Mark/ Percentage Mark Range
Continuous Assessment	20 %
End Semester Examination	80 %

Course No	: PT 1202
Course Title	: Bio-mechanics I
Credits	: 02
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Lectures-30 hrs
Aims and / or objectives and / or Intending learning outcomes:	
At the successful completion of the course, the students will be able to:	
1. explain the biomechanical principles of movements of human body	
2. explain the relationship of posture & balance with functional activities	
3. identify and use equipment in a therapeutic gymnasium	
4. describe the movements taking place at joints and mechanics of joints in relation to physical activity (Upper Extremity)	

Course syllabus / Course Description	
Introduction to Biomechanics and Kinesiology, Basic concepts in biomechanics- kinematics and kinetics, Types of motion, location of motion, direction of motion, magnitude of motion, definition of forces, force of gravity, reaction forces, equilibrium, objects in motion, force of friction concurrent force systems, parallel force systems, work, moment arm of force, force components, equilibrium of levers, Newton's laws, springs & elasticity, joint structure and function, analysis of posture, activities of daily living, starting & derived positions, mechanics of peripheral joints (shoulder, elbow, wrist & hand), prehension & precision handling	
Recommended Texts (if any):	
<ul style="list-style-type: none"> • Joint Structure and Function (Pamela K. Levangie & Cynthia C. Norkin) 	
Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	20 %
End Semester Examination	80 %

Course No.	: PT 1203
Course Title	: Emergency care in Physiotherapy
Credits	: 02
Prerequisite	: None
Compulsory / Optional	: Compulsory
Time Allocation	: Lectures- 26 hrs, Practicals -8hrs
Aims and / or objectives and / or Intending learning outcomes:	
At the successful completion of the course, students should be able to,	
<ol style="list-style-type: none"> 1. identify signs of emergency in a client/ patient attending for physiotherapy 2. handle the client/ patient in a safe manner according to safety protocols 3. perform safe transfer of the patient to the hospital 	
Course syllabus / Course Description	
Assessing the patients, examination and removal of clothes. Injury due to mechanical causes, abrasion, contusion, trauma, fractures, dislocations, Foreign bodies, Intervention principles for injuries due to natural causes, Application of first aid for abnormal signs that necessitate immediate care, Practice in basic life support for children and infants, Practice in the application of bandages, types of bandages, Carrying the patient or the injured person, transfer in a stretcher, carrying in the arms, on shoulder or by vehicle	
Recommended Text:	
1.American Medical Association Handbook of First Aid and Emergency Care; Random House Reference; Original edition (May 5, 2009)	
2.The role of physical therapists in disaster management- WCPT report March 2016	
Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	20 %
End Semester Examination	80 %

Course No	: PT 1204
Course Title	: Electro Physical Agents in Physiotherapy I
Credits	: 02
Prerequisite	:None
Compulsory / Optional	: Compulsory
Time Allocation	: Lectures-25 hrs, Practicals- 10 hrs.
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. describe the basic principals in physics and electronics 2. identify the threats to the safety of the people engaged with the process 	
Course syllabus / Course Description	
Electricity, Static electricity, Current Electricity, Valves, transformers, types, principles, construction and working, Ionization, Magnetism, Thermionic valves, Semi-conductor devices, AC and DC Meters	
Recommended texts:	
1) Shaum's outline of basic Electricity	
Assessment	Percentage Mark / Percentage Mark Range
Continuous Assessment	20 %
End Semester Examination	80%

Course No	: PT 1205
Course Title	: Pharmacology for Physiotherapists
Credits	: 02
Prerequisite	: None
Compulsory / Optional	: Compulsory
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:	
<ol style="list-style-type: none"> 1. describe the different terms used in pharmacology 2. classify different types of drugs 3. discuss routes of drug administration, distribution, metabolism, excretion of drugs, factors influencing drug action, dosage and factors modifying it. 4. describe pharmacokinetics & pharmacodynamics of all systems 5. discuss the mechanism of pain relief by drugs 6. describe definition, action, indications, contraindications and adverse effects of drugs on all systems 	

Course syllabus / Course Description

General Pharmacology (Introduction, regulation & approval, drug classes & schedules, Administration, Pharmacokinetics, Pharmacodynamics) and Systemic Pharmacology (Drugs acting on CNS, PNS, CVS, drugs influencing myocardial contractility & heart rate, Bronchodilators, Anti-microbial drugs, Endocrine Pharmacology, Immunological agents & Vaccines) .

Recommended Texts (if any):

- Udayakumar P. (2004) Textbook of Pharmacology for Physiotherapy.
- Lipincot

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