

# **M.B.B.S. Course Handbook**

**2015 / 2016**

Faculty of Medicine  
University of Kelaniya

November 2016



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## OFFICERS OF THE UNIVERSITY

### Chancellor

Thripitaka Vagishvaracharya, Mahopadya, Pandith, The Most Venarable Welamitiyawe Dharmakirithi Sri Kusalahamma Thero

**Vice Chancellor** : Senior Prof Sunanda Madduma Bandara  
*BA (Vidyal), MA (Shiga)*

**Registrar** : Mr WM Karunaratne  
*BSc PubAdm (S.J'pura), MSSc(Kel'ya), PGD (ICASL), PGD (Buddhist Studies) (BPU), LICA (ICASL), SAT (AAT)*

**Librarian** : Mr LA Jayatissa  
*BSc (Vidyal), PGDipLib&InfStu(Kel'ya), MLISc (Dhlhi), ASLLA*

**Bursar** : Mrs UTMID Tennakoon  
*BSc (SJP), ACA (ICASL)*

## OFFICERS OF THE FACULTY OF MEDICINE

**Dean** : Senior Prof NR de Silva  
*MBBS (C'bo), MSc (Lon), MD (C'bo), FNASSL*

**Senior Assistant Registrar** : Ms WEM Wagalath  
*BA (Kel'ya), Dip in Mgt (OUSL)*

**Assistant Registrar** : Ms JTM Jayasinghe  
*BSc (Agric) (Perad'ya), MSc (FST) (Pera'ya)*

**Senior Assistant Bursar** : Ms WLS Wijesekera  
*BSc Mgt(SJP), MPM (SLIDA), CBA, Dip in English (C'bo), MAAT*

**Senior Assistant Librarian** : Mrs CM Abeygunasekera  
*B.Sc. (Agric.) (Perad'ya), Dip Lib, MA (Lib & Inf. Std.) (Lon), ASLLA*

**Assistant Librarian** : Mrs MPLR Marasinghe  
*BSc (Kel'ya), MLS (C'bo)*

## **CALENDAR OF DATES**

### **For new entrants in the academic year 2014/2015**

#### **First year**

Phase I Term 1	7 Nov 2016 – 16 Dec 2016 & 9 Jan 2016 – 10 Feb 2017
Phase I Term 2	13 Feb 2017 – 24 Mar 2017 17 Apr 2017 – 19 May 2017
Continuous Assessment 1	29 May 2017 – 2 June 2017
Phase I Term 3	5 June 2017 – 18 Aug 2017
Continuous Assessment 2	18 Sept 2017 – 22 Sept 2017

**Second year, Third year, Fourth year & Final year  
Dates will be notified later**

## UNIVERSITY OF KELANIYA

The University of Kelaniya has its origin in the historic Vidyalkara Pirivena, founded in 1875 as a centre of learning for Buddhist monks. It was one of the two great national centres of traditional higher learning, heralding the first phase of the national movement and national resurgence. With the establishment of modern Universities in Sri Lanka in the 1940s and 1950s, the Vidyalkara Pirivena became the Vidyalkara University in 1959, later the Vidyalkara Campus of the University of Ceylon in 1972 and, ultimately, the University of Kelaniya in 1978.

Today, the University of Kelaniya is one of the major national Universities. It is located just outside the municipal limits of Colombo, in the ancient and historic city of Kelaniya, on the north bank of the Kelani River. It has six Faculties and three institutions. The six Faculties, which form the main body of the University, are:

- Faculty of Humanities
- Faculty of Social Sciences
- Faculty of Science
- Faculty of Medicine
- Faculty of Commerce and Management Studies
- Faculty of Graduate Studies

Three institutes are attached to the University of Kelaniya.

- The Postgraduate Institute of Pali and Buddhist Studies (**PGIPBS**), Colombo.
- The Postgraduate Institute of Archaeology (**PGIAR**), Colombo.
- The Gampaha Wickramarachchi Ayurveda Institute (**GWAI**), Yakkala.

The main University itself has a student population of more than 8,500 undergraduates, with nearly 1000 more in the institutes, several hundred postgraduate students and over 95,000 candidates registered for external degrees.

The University of Kelaniya has pioneered a number of new developments in Higher Education. It was one of the first Universities to begin teaching science in Sinhala, and also the first to restructure the traditional Arts Faculty into three separate Faculties of Humanities, Social Sciences and Commerce and Management studies. It also has several unique Departments not

generally found in the Sri Lankan University system. Some Kelaniya innovations have been subsequently adopted by other Universities. These include the Department of Industrial Management and Microbiology in the Faculty of Science; Departments of Linguistics, Fine Arts, Modern Languages and Hindi in the Faculty of Humanities; and Mass Communication and Library and Information Sciences in the Faculty of Social Sciences.

In keeping with its historic roots, the University is one of the national centres of excellence in Pali and Buddhist Studies and related fields. It has long-established and well-developed departments of Pali and Buddhist Studies (incorporating chairs in Buddhist Civilization and Buddhist Philosophy), Sanskrit, Linguistics, Philosophy, Sinhala and Hindi, as well as the Postgraduate Institute of Pali & Buddhist Studies. Kelaniya also maintains close links with the Buddhist and Pali University of Sri Lanka. Thus, the University of Kelaniya forms the centre of an academic complex, specializing in modern development in traditional disciplines. It also retains a close link with its mother institution, the Vidyalkara Pirivena, whose Head is also the Chancellor of the University.

At the same time, the University of Kelaniya has a modern and multi-cultural structure and perspective, with the Faculties of Science, Medicine, Social Sciences and Commerce & Management and a strong base in modern languages, including the teaching of Chinese, English, French, German, Hindi, Japanese, Russian, Tamil, and Modern Linguistics. Presently engaged in extensive restructuring as it enters the 21<sup>st</sup> century, the University of Kelaniya looks forward to a new phase in its 125-year history of development.

## **Mission Statement**

### **Vision**

To become a centre of excellence in creation and dissemination of knowledge for sustainable development

### **Mission**

To nurture intellectual citizens through creativity and innovation, who contribute to the national development



## **THE FACULTY OF MEDICINE**

The Faculty of Medicine of the University of Kelaniya is situated on a spacious 35 acre campus at Ragama. It is one of eight state medical faculties in Sri Lanka. The Faculty commenced classes with the admission of 120 students in September 1991. The first batch of students completed their five year course and graduated MBBS in September 1996.

Today, the Faculty has about 900 students on its roll. This includes several foreign students, mainly from other South Asian countries, who have been admitted on a fee levying basis. The Faculty also welcomes students for elective appointments and many students from medical schools in Europe, USA and Australia have spent their elective periods with us.

There is a permanent academic staff of about 120 and, in addition, there are over 40 temporary academic staff and over 60 visiting staff that include consultants who are based in the affiliated teaching hospitals.

The Faculty comprises sixteen academic departments, a Medical Education Centre, a Computer Centre, a Centre for Tropical Medicine & International Health, and a Molecular Medicine Unit. The Computer Centre is dedicated to providing computer training; it aids in self directed learning, maintaining an intranet and providing internet connectivity.

In keeping with the need to expand and improve allied health services in the country the Faculty established the Disability Studies Unit in 1993 and the Centre for Tropical Medicine and International Health, which conducts courses for primary health care workers, in 1999. The Molecular Medicine Unit was established in 2003 with the aims of improving molecular diagnostic facilities for infectious diseases and providing DNA finger-printing. In 2007, the Disability Studies Unit was upgraded to the Department of Disability Studies, the only one of its kind in the South Asian region.

Since 1991, the faculty has produced a large volume of research publications. Several of the staff have been awarded prestigious prizes for research papers presented at national and international scientific forum and Presidential Research Awards. The clinical and paraclinical academic departments have been recognized as training centres by the Postgraduate Institute of Medicine, University of Colombo. Postgraduate research degree programs - M. Phil, DM and Ph.D, are conducted by the Faculty under the auspices of the Faculty

of Graduate Studies. In collaboration with the University of London, the Disability Studies Unit conducted a diploma course in Speech and Language Therapy; this course was upgraded into a Bachelor of Science Special degree course and the first batch of students based on A' level results were admitted in August 2008. Many of the departments have academic links with foreign universities.

The Colombo North Teaching Hospital, which is one of the busiest tertiary referral centres in the country, is the main teaching hospital. University clinical departments have wards in this hospital. Other allied teaching hospitals include, the Ragama Rehabilitation Hospital, Welisara Chest Hospital and Base Hospitals in Negombo and Gampaha

The Faculty provides hostel facilities for most of its students. It also has an open air theatre, a sports ground, a multi-purpose court and a gymnasium. Funds are being sought to develop a sports complex and a swimming pool. A Cultural Centre was opened in January 2009 and programmes in music, dance, art and photography are conducted. Yoga classes are held every Thursday afternoon. Tamil classes are conducted every year to enable our graduates to be able to practice in any part of the country. There is an elected student council and several other thriving cultural and literary student societies.

From 2004 the faculty has adopted an organ-system based integrated curriculum for its MBBS degree. The course run by the Faculty is of five years duration, each academic year consisting of three 10-week terms. The medium of instruction is English. There are three professional examinations at the end of each Phase.

Clinical training commences with the beginning of the third year of study. During their third and fourth years, students are expected to do clinical attachments in the mornings, returning to the Faculty premises for lectures, tutorials and laboratory classes in the afternoons. The clinical attachments cover a wide variety of specialties which include Medicine, Surgery, Paediatrics, Obstetrics & Gynaecology, Psychiatry, Anaesthesiology, Forensic Medicine, Rheumatology, Dermatology, Venereology, Neurology, Cardiology, Ophthalmology, Otolaryngology, Orthopaedic Surgery, Radiology, Family Medicine, Community Medicine and Clinical Pathology. They vary in duration from two weeks to two months. During their fourth year, students carry out supervised research projects in Community Medicine and allied subjects.

During the final year, learning is almost entirely hospital-based, with students assigned two-month clerkships in Medicine, Surgery, Obstetrics & Gynaecology, Paediatrics and Psychiatry in the University units of the Colombo North Teaching Hospital. The Final MBBS examination consists of the disciplines of Medicine, Psychiatry, Surgery, Obstetrics & Gynaecology and Paediatrics.

After passing the Final MBBS examination, students must complete 12 months of internship to obtain full registration to practice medicine in Sri Lanka from the Sri Lanka Medical Council. The Faculty is listed in the World Health Organization Directory of Medical Schools and the MBBS degree is recognized by the General Medical Council of the United Kingdom.

## **Mission Statement**

### **Vision**

The Faculty aspires to be an internationally recognized institution of higher education in a culture of excellence and integrity that helps to generate and impart knowledge in the medical sciences

### **Mission**

The Faculty of Medicine

- Educates medical students, postgraduate doctors, allied health care professionals and the public,
- Provides patient oriented medical care to prevent, diagnose and treat human illness, and
- Conducts basic, applied and clinical research

in an environment of high quality education that nurtures a spirit of inquiry, initiative, equality and social responsibility

Graduates of the Faculty will have the knowledge, the skills and attitudes to be successful in providing services to the community, country and beyond as individuals and opinion leaders in a globalised health care environment

At the Faculty of Medicine, knowledge is advanced by an academic community with a passion for teaching, student training and scientific enquiry. By providing an excellent environment for learning and research, we will encourage scholarship at the highest level.

## **QUALIFICATIONS OFFERED BY THE FACULTY**

The qualifications offered by the Faculty at present are as follows:

### **Undergraduate degrees**

- Bachelor of Medicine & Bachelor of Surgery
- Bachelor of Science (Speech & Hearing Sciences)

### **Postgraduate research degrees**

- Master of Philosophy (MPhil)
- Master of Public Health (MPH)
- Doctor of Philosophy (PhD)
- Doctor of Medicine (DM)

## **REGISTRATION OF STUDENTS**

This is done by the Senior Assistant Registrar's Office in the Faculty, after initial registration by the Academic Branch of the University of Kelaniya. Registration must be renewed by each undergraduate for each year of study on payment of registration fees announced by the Office of the Dean of the Faculty. Undergraduates who have not renewed their registration will not be permitted to continue academic activities and sit for the examinations.

### **Identity Card**

All students registered in the University of Kelaniya are issued an identity card by the University's Academic Branch. Student identity cards are the property of the university. Therefore, students should return them to the Dean's Office at the end of the final MBBS examination. Students should produce the student identity card in proof of identity on request of officers of the faculty, members of academic staff or security personnel of the faculty. Rejection of such a request made by the aforesaid categories of authorities of the Faculty will lead to disciplinary action against such student. Students who lose this identity card must obtain a duplicate card at their own expense. A written request should be made to the Dean's Office along with a duplicate copy of the complaint lodged at the respective police station.

### **Record Book**

In addition to the University Identity Card, students are also issued a record book. Details of attendance at tutorials and laboratory classes are entered by the relevant academic staff in this book at the end of each course of study. Students will not be permitted to

register for a given examination unless satisfactory attendance has been certified in this record book. Students who lose this record book must obtain a duplicate book, and obtain all missing details from the relevant academic staff.

## **Clinical Appointment Records**

At the beginning of the third year of study, clinical appointment records are issued to all students. At the end of each clinical appointment in the third, fourth and fifth years, students are expected to obtain a signature certifying satisfactory attendance and performance from the supervising Consultant.

The appointments in Forensic Medicine, Clinical Pathology, Community Medicine, and Family Medicine should be completed before the Second Examination for Medical Degrees. All other appointments except those in the University Units must be completed before a student is permitted to register for the final year of study. The five appointments in the University Units must be completed satisfactorily before a student is permitted to register for the final MBBS examination.

Students who lose this record must obtain a duplicate, and obtain all the missing signatures again, from the relevant consultants.

## **Change of name**

Students who wish to change the name by which they have first registered in the University may do so within the first five terms in the medical faculty, until he / she first registers for the First Examination for Medical Degrees. The name used by a student for registration at this examination will thereafter be used by the Faculty administration for all academic activities.

## **Certificates and transcripts**

Original certificates submitted at the time of registration can be retrieved from the University, and student transcripts can be obtained through the SAR's Office of the faculty.

## **Sri Lanka Medical Council (SLMC) Registration**

In order to practice as a Western Medical Practitioner in Sri Lanka, all MBBS graduates must be registered with the SLMC. Section 29 (1) of the Medical Ordinance (Chapter 105), which deals with registration of medical practitioners, stipulates that applicants must be "of good character".

# THE MBBS COURSE

## 1. Intended Outcomes

The Faculty of Medicine, University of Kelaniya, Sri Lanka, aims to produce a medical graduate who is a:

**Practitioner** with competence in

1. Clinical assessment and management of patients
2. Communication
3. Population health and health systems
4. Information management

**Scientist** with competence in

5. Scientific basis of medicine
6. Critical thinking and research

**Professional** with competence in

7. Professional values attitudes and ethics

The table on the next page provides a summary of the broad content areas covered under these seven outcomes. In order to achieve these outcomes, the Faculty runs a four-strand course of approximately 5 years duration.

The learning strands, as shown in Figure 1, are:

- Basic and Applied Sciences Strand
- Clinical Skills Strand
- Community Health Strand
- Behavioural Sciences and Mental Health Strand

**Outcomes of the MBBS Degree Programme, Faculty of  
Medicine, University of Kelaniya**

<b>Doctor as a practitioner</b>			
<b>Clinical skills and patient management</b>	<b>Communication skills</b>	<b>Population health &amp; health systems</b>	<b>Information management</b>
History Physical & mental state examination Define problems Differential diagnosis and diagnosis Investigative and therapeutic procedures Management of emergencies Management of acute illness Management of chronic illness Disability and rehabilitation Palliative care Care of the dying	Communication with patients, relatives, carers, other health professionals Fluency in Sinhala, Tamil and English Proficiency in written English Presentation skills Handling complaints	Demography & vital statistics Epidemiology Health promotion and disease prevention Primary care Health care planning, management & economics Health services in Sri Lanka Disaster situations International health	Medical records Information retrieval and management

<b>Doctor as a scientist</b>	
<b>Scientific basis of Medicine</b>	<b>Critical thinking &amp; research</b>
<p>Normal structure, function and behaviour</p> <p>Abnormal structure, function and behaviour</p> <p>Patient investigation</p> <p>Pharmacological &amp; non-pharmacological management of disease</p> <p>Therapeutics</p> <p>Social dimensions of health and illness</p>	<p>Critical thinking</p> <p>Clinical reasoning</p> <p>Scientific method</p> <p>Uncertainty and errors</p> <p>Creativity, resourcefulness &amp; adaptability</p>

<b>Doctor as a professional</b>
<b>Professional values, attitudes &amp; ethics</b>
<p>Professional standards</p> <p>Team work</p> <p>Medical ethics</p> <p>Legal responsibilities</p> <p>Personal development</p> <p>Reflective practice</p>



**Figure 1- Learning strands of the undergraduate MBBS curriculum**

Phase I		Phase II		Phase III
Year 1	Year 2	Year 3	Year 4	Year 5
Orient.	Basic & Applied Sciences Strand (Normal structure and function)	Basic and Applied Sciences Strand (Abnormal structure and function)		Clinical Skills Strand (Professorial appointments)
		Clinical Skills Strand (Clinical rotations)		
IT	Clinical Skills Strand (Basics)			
English	Community Health Strand (Principles of public health)	Community Health Strand (Principles and practice of public health)		
	Behavioural Sciences & Mental Health Strand (Normal human behaviour)			
		Behavioural Sciences & Mental Health Strand (Abnormal human behaviour) (Optional)		

## **2. Outline**

Students start off with an Orientation Programme. During this period, they participate in a short but intensive 'Medicine for English' course. Students are also given an overview of University life at Ragama, the MBBS course, academic departments in the Faculty, the Colombo North Teaching Hospital, and the various facilities available to them. Other activities in this Orientation programme include training in basic computer literacy and sports. The medium of instruction throughout the whole MBBS course is English. Clinical work requires, in addition, a working knowledge of Sinhalese and Tamil.

The academic course starts with a Foundation Module. During the next four terms students learn about the normal structure and function of the human body through 9 self-contained, organ-system-based modules (Phase I). New learning takes place mainly through lectures, with traditional tutorials being used to reinforce this learning.

In Phase II (3<sup>rd</sup> and 4<sup>th</sup> years), students concentrate on the acquisition of clinical skills and on learning about the disease conditions that affect humans. In the mornings, students work in the hospital, primary care or community setting, returning to the Faculty for lectures, tutorials and laboratory classes in the afternoon. Formal teaching in Phase II is also in a modular form. The first term is devoted to an Introductory Module that introduces the basic concepts of General Pathology, General Pharmacology and Infectious Diseases. During the next 5 terms, students revisit the same organ systems around which Phase I is organized, with an additional module on Legal Medicine & Toxicology.

Learning about Behavioural Sciences, Mental Health & Ethics and Community Health takes place in two Strands that run parallel to the organ system based modules in both Phases I and II.

Acquisition of clinical skills commences from the first year. In Phase I this is mainly through sessions in the clinical skills laboratory. Formal clinical attachments continue throughout Phase II. Final year students spend virtually all their time in the University Professorial Units in the Colombo North Teaching Hospital in Ragama, rotating through 8-week attachments in Medicine, Surgery, Obstetrics & Gynaecology, Paediatrics and Psychiatry. The only classroom style teaching that takes place during this year consists of weekly

tutorials and monthly seminars in Medicine, Surgery, Obstetrics & Gynaecology, Paediatrics, and Psychiatry.

Continuous assessments are conducted throughout the course, at the end of each term in Phases I and II and at the end of each Professorial Unit attachment in the final year. Bar examinations are conducted at the end of both Phase I and Phase II. Details of all assessments are given in the section on Examinations.

### **3. Preliminary Training**

#### **Orientation Programme**

This is conducted in the first term of Phase I of the course. Students are given an overview of University life, especially at Ragama, the medical course, the academic departments in the Faculty and the various services and facilities available to them as students of the Medical Faculty. However, the main emphasis of the orientation programme is on learning English.

#### **English For Medicine**

**Timing & duration:** 10 weeks during Term 1

**Objectives:** To equip medical students with the proficiency and skills of English Language needed for their undergraduate studies and their future professional activities while promoting their ability to communicate in English with peers and members of academic staff.

**Contents:** Grammar and Vocabulary; Reading for Academic Purposes and comprehension; Listening and comprehension; Written compositions particularly related to the field of Medicine; and Speaking practice.

**Description:** All first year students are expected to participate in the 'English for Medicine; Intensive Course' conducted by the English Language Unit of the Faculty of Medicine. Students are assessed throughout and at the end of the course on four components: Writing, Reading, Listening and Speech. Students who successfully get through all four components at the End of the Course Exam qualify for a certificate and those who do not qualify are required to continue studying English with the on-going course which is conducted over Terms 2 and 3, with three hours of protected time each week. Students will not be permitted to sit for the First examination unless they have successfully completed and obtained the English Competency Certificate. The English Language Unit strictly adheres to an 80% attendance policy where students

who fail to meet the requirement will not be allowed to sit for the End of Course Examinations.

Further, the English Language Unit provides students with a platform to enhance their English skills by engaging in plays and creative writing.

### **Information Technology For Medical Students**

**Timing & duration:** 18 hours during Term 1, 27 hours during Term 2 and 9 hours during Term 3

**Aims:** To develop basic skills in using a personal computer, searching for and retrieving information from the World Wide Web and medical data bases, and in using software for word processing, presenting visual material, managing data, and simple statistical analyses.

**Contents:** Working with computers, accessing Faculty Network, virtual learning management system (Moodle), internet and email, Internet search and literature search, cloud services, free and open source software, word processing, spreadsheets, multimedia presentations, image and video editing, creating databases, obtaining summary statistics and basic statistical analysis.

**Learning activities:** Lectures, practical demonstrations in groups, hands-on sessions in Computer Centre, self-learning with online tutorials. Students are encouraged to use IT wherever possible in other areas of the medical course for self-directed learning, completion of learning assignments, etc.

## **4. Basics and Applied Sciences Strand - Learning Modules**

### **PHASE I (YEARS 1 & 2)**

#### **1. FOUNDATION MODULE**

**Timing & duration:** Weeks 4 -11 of term 1

**Aim:** To introduce students to the structure and function of the human body at cellular level.

#### **Contents:**

- The structure and functions of the cell
- Molecular components of the cell: carbohydrates, proteins, lipids, nucleic acids, high energy compounds, enzymes
- Biological membranes
- Interactions of the cell with the outside environment: movement of substances; membrane potential; neurocrine, paracrine and endocrine signaling; neurotransmitters; organisation of the nervous system; the autonomic nervous system
- Maintenance of the aqueous environment: body fluids, homeostasis, pH, acids, bases, buffers, acidosis, alkalosis
- Flow of information: structure and function of nucleic acids, genes, and chromosomes; introduction to genetics
- Organisation into tissues: epithelia, connective tissues, glandular tissues, nerve, muscle & their structural adaptation to function
- Introduction to embryology: from implantation of the embryo and formation of the bilaminar germ disc to formation of somites

## **2. SKIN, LOCOMOTOR SYSTEM & INTERMEDIARY METABOLISM**

**Timing & duration:** Whole of Term 2

**Aims:** To enable students to learn about the normal structure and function of the skin and locomotor system, as well as about the metabolism of carbohydrates, proteins, lipids, and nucleotides in the human body.

### **Contents:**

- Structure and functions of the skin
- The formation, structure and functions of bones; common disease conditions
- The types of joints and their function; common forms of trauma
- The types of skeletal muscles and their functions; common disease conditions
- The upper limbs: bones, muscles, joints, nerves, blood vessels, lymphatic drainage, embryological development, common injuries and palsies
- The lower limbs & bony pelvis: bones, muscles, joints, nerves, blood vessels, lymphatic drainage
- The axial skeleton: bones, muscles, joints and movements of the neck and spine; spinal cord & meninges
- Metabolism of carbohydrates, proteins, lipids, nucleotides and related disorders.
- Integration of Metabolism.

### 3. NEUROSCIENCES

**Timing & duration:** first 6 weeks of Term 3

**Aim:** To enable students to learn about the normal structure and function of the nervous system.

**Contents:**

- Organization and development of the central nervous system: skull, meninges, brain, cranial nerves, cerebral circulation, ventricular system, CSF, brainstem & spinal cord
- Development of the head and neck, branchial arches, pouches and clefts
- Nerve and synapse: structure and function of neurones, nerve injury and repair, structure and function of a synapse, abnormalities in neurotransmission
- Higher functions: memory and learning, sleep, consciousness and EEG
- Somatic sensation and pain: neuroanatomical basis of sensory perception, physiological basis of sensory transmission, cognitive sensations, dorsal column – medial lemniscal system, pain sensation
- Motor system: spinal motor control, motor pathways, basal ganglia, cerebellum
- Cranial nerves
- Special senses: visual system, auditory system
- Radiological Anatomy of CNS:
  - Current radiological investigation (Modalities) to diagnose CNS diseases.  
Eg: Skull X-ray to advanced PET CT/ SPECT etc.
  - Basic radiological appearances  
Eg: Basic structures/ Anatomy in radiological investigations    Eg: Identify basal ganglia/ thalamus etc. in CT/ MRI
  - Basic applied anatomy in relation to radiological investigations Eg: How to identify EDH/ SDH/ SAH etc in CT.                      Identify tumor Vs abscess in MRI etc.

#### **4. BLOOD, LYMPH & IMMUNE SYSTEM**

**Timing & duration:** last 5 weeks in Term 3

**Aims:** To enable students to learn about the normal components of the blood and lymph and their components, as well as about the normal structure and function of the human immune system. The module also introduces students to common pathological conditions.

##### **Contents:**

- Introduction to blood: its functions, components, and formation
- The red cell: haemoglobin, erythropoiesis, catabolism of red cells, anaemia
- Plasma proteins
- The white cell: types, functions, counts
- The immune system: cells and organs; components of the innate and acquired immune system; normal immune response to foreign agents
- Platelets and the clotting system: haemostasis, fibrinolysis
- Blood groups: basis of grouping, cross-matching and transfusion

#### **5. THE CARDIO - RESPIRATORY SYSTEM**

**Timing & duration:** first 6 weeks in Term 4

**Aim:** To enable students to learn about the normal structure and function of the cardio-respiratory system.

##### **Contents:**

- Anatomy of the thorax: thoracic wall, lungs
- Pulmonary mechanics: pulmonary and alveolar ventilation, mechanics of ventilation, gas transfer
- Gross anatomy of the heart, and its development
- The heart as a pump: electrical properties of heart muscle; electrocardiography; mechanical events of the cardiac cycle; autonomic control; control of cardiac output
- The coronary circulation and its control: anatomy of the coronary circulation; myocardial oxygen consumption;



- regulation of coronary blood flow; disturbances in coronary circulation
- Peripheral circulation: organisation of vasculature; biophysics of circulation; arterial pulse; blood pressure measurement; regulation of blood pressure; hypertension; hypotension and shock
- Gas exchange and transport: composition of air; partial pressures; O<sub>2</sub> and CO<sub>2</sub> transport; regulation of breathing, hypoxia
- The heart under stress (exercise): muscle blood flow; physiological adjustment during exercise; oxygen consumption; types of exercise; training and its benefits.
- Correlate the structures of the thorax & thoracic viscera to clinical conditions.
- Radiological anatomy of the thorax.
- Correlate common clinical-developmental anomalies of the thorax & its viscera.

## **6. THE ALIMENTARY SYSTEM & NUTRITION MODULE**

**Timing & duration:** 4 weeks during Term 4

**Aim:** To enable students to learn about the normal structure and function of the human alimentary system and the role of nutrition in human health and disease.

### **Contents:**

- Development and vasculature of the gastro-intestinal tract
- General histology of the intestinal tract
- Gut motility, digestion and absorption of nutrients
- Structure and function of the components of the GI system (mouth and pharynx, oesophagus, stomach and duodenum, small intestine, large intestine, rectum and anus, hepatobiliary system, pancreas); common abnormalities in each
- Development, anatomy and functions of the peritoneum, peritoneal cavity and peritoneal fluid; common abnormalities
- Basic and applied anatomy of the anterior and posterior abdominal walls

- Nutrition: macronutrients; micronutrients; sources, requirements, deficiency and toxicity states
- Normal growth: attributes, growth chart, breast feeding, weaning foods, balanced diet

## **7. THE URINARY SYSTEM**

**Timing & duration:** 2.5 weeks during Term 5

**Aim:** To enable students to learn about the normal structure and function of the urinary system.

### **Contents:**

- Anatomy of the kidneys: morphology, blood supply, relations & histological appearance
- Development of the urinary system
- Renal blood flow, glomerular filtration & glomerular functions
- Structure of the renal tubule; correlation with its function
- Structure , relationships and histology of the ureters
- Structure of the bladder and micturition
- Acid-base balance & urinary acidification
- Sodium, potassium and water balance
- Clinical correlations
  - Overview of acute and chronic renal failure
  - Application of anatomical knowledge to urology
  - Role of diuretics & tests of renal function

## **8. THE ENDOCRINE SYSTEM**

**Timing & duration:** 3 weeks of Term 5

**Aim:** To enable students to learn about the normal structure and function of the human endocrine system.

### **Contents:**

- General endocrinology: endocrine glands, hormones produced, target organs, classification of hormones, mechanisms of action, rhythms of secretion, concept of feedback regulation, concept of I<sup>ry</sup> and II<sup>ry</sup> endocrine disorders, principles of methods of investigating endocrine disorders
- Hypothalamus and pituitary gland
- The thyroid gland
- The parathyroid glands and calcium homeostasis
- The endocrine pancreas: pancreatic hormones and diabetes mellitus
- The adrenal glands

## **9. THE REPRODUCTIVE SYSTEM**

**Timing & duration:** 3 weeks in Term 5

**Aims:** To enable students to learn about the structure and function of the reproductive system in males and females and about the process of human reproduction.

### **Contents:**

- Anatomical relations, macroscopy and histology of male and female genital systems, and the breast
- Process of oogenesis and spermeogenesis
- Fertilization and implantation
- Factors determining male and female genotype / phenotype
- Types of inheritance, pedigrees & genetic screening
- Genetic & chromosomal disorders
- Development of male and female reproductive organs, duct systems, external genitalia and breast

- Endocrine regulation of oogenesis and spermeogenesis, ovulation, endometrium, parturition, lactation, puberty, menarche and menopause
- Structure and function of placenta and membranes
- Stages of fetal development, fetal circulation, adjustments at birth
- Physiological basis of adaptations in pregnancy

## **10. INTEGRATED SYSTEMS MODULE**

**Timing & duration:** last 2 weeks of Term 5

**Aim:** To facilitate students' understanding of how the different organ systems of the body work together as a whole

One of the following topic will be used as a model to achieve the above aim

- Diabetes mellitus
- Effects of alcohol consumption on humans
- Hypertension
- Obesity

## **PHASE II (YEARS 3 & 4)**

### **1. INTRODUCTORY MODULE**

**Timing & duration:** Whole of Term 1

#### **Aims:**

- To enable students to learn the basic concepts in general Pathology and general Pharmacology necessary to deal with diseases of the different organ systems.
- To enable students to learn about the infectious agents that cause human disease, about the insect vectors of disease, and the pharmacology of drugs used to treat infectious diseases.

#### **Contents:**

- General Pathology: cell injury, cellular adaptation, intracellular & extracellular deposition, acute inflammation, wound healing, chronic inflammation and tumour pathology
- General Pharmacology: the basic principles of pharmacodynamics, pharmacokinetics, the pharmacology of the autonomic nervous system, and anti-neoplastic therapy, clinical trials
- Infectious Diseases:
  - Host-parasite relationships, modes of transmission, universal precautions, sterilization and disinfection
  - Classification of disease causing organisms and vectors
  - Important diseases caused by viruses, bacteria, fungi, protozoa, helminths and arthropods
  - Arthropod vectors of disease
  - Drugs used in the treatment of infectious diseases
- Drug interactions

## **2. THE CARDIO-RESPIRATORY SYSTEM**

**Timing & duration:** Whole of Term 2

**Aims:** To enable students to learn about the clinical manifestations, diagnosis, treatment and prevention of diseases of the cardio-respiratory system.

### **Contents:**

- Pathology of thrombosis, embolism, ischaemia, infarction, atheroma and aneurysms
- Clinical approach to diseases of the cardio-respiratory system
- Diagnostic procedures relating to the cardio-respiratory system
- Pharmacotherapy of cardio-respiratory diseases
- Cardiovascular diseases: hypertension, ischaemic heart disease, arrhythmias, congenital heart disease, rheumatic fever, valvular heart disease, infective endocarditis, myocarditis, cardiomyopathy, heart failure, diseases of pericardium, vascular diseases
- Respiratory diseases: diseases of upper respiratory tract, diseases of the lower respiratory tract, obstructive airways diseases, interstitial lung disease, malignancies of respiratory tract, pulmonary vascular disease, pleural disease
- Cardio-respiratory emergencies: low perfusion state (shock), stridor, acute pulmonary oedema /ARDS, cardio-respiratory arrest, respiratory failure, chest trauma, vascular trauma
- Tuberculosis
- Smoking
- Common ENT problems

### **3. BLOOD, LYMPH & IMMUNE SYSTEM**

**Timing & duration:** first 5 weeks of Term 3

**Aims:** To enable students to learn about

- The clinical manifestations, diagnosis, treatment and prevention of diseases that involve the different components of blood and the immune system.
- How to use different components of blood and the immune system for treatment of disease.

**Contents:**

- Anaemias: general aspects, deficiency anaemias, haemolytic anaemias, anaemia of chronic disorders
- Bone marrow failures, Aplastic anaemia
- White cells & their disorders
- Leukaemia: general aspects, acute leukaemia, chronic leukaemia, causes of leucocytosis, leukaemoid reaction, leukoerythroblastic blood picture, lymphocytosis
- Lymph node enlargement, lymphoma
- Myeloma and other plasma cell disorders
- Myeloproliferative neoplasms - primary proliferative polycythaemia, essential thrombocythaemia, myelofibrosis
- Disorders of haemostasis and thrombosis: general aspects, thrombocytopenias, coagulation disorders, disseminated intravascular coagulation, thrombophilia, anti-platelet drugs and anticoagulant therapy, thrombolytic therapy
- Clinical immunology: hypersensitivity reactions, autoimmune disorders, immune deficiencies, organ transplantation, immunization, immune therapy
- Blood transfusion: selecting donors, cross-matching, transfusion reactions, transfusion transmitted diseases, haemolytic disease of the new born

#### **4. THE URINARY SYSTEM**

**Timing & duration:** last 5 weeks of Term 3

**Aim:** To enable students to learn about the pathological basis, clinical features, diagnosis, treatment and prevention of diseases of the urinary system.

##### **Contents:**

- Congenital anomalies of the urinary tract
- Common manifestations of renal diseases and their causes: abdominal pain, haematuria.
- Pain related to the genito-urinary tract : Urinary calculi and urinary tract infections
- Voiding disturbances: Bladder outflow obstruction, urinary incontinence, retention of urine
- Glomerulopathies : Nephritic syndrome and nephrotic syndrome
- Systemic diseases that present with renal manifestations
- Oliguria and polyuria: Acute renal failure/ acute kidney injury and chronic kidney disease
- Reno-vascular diseases
- Dialysis and transplant
- Loin masses: Polycystic disease of the kidney, tumours of the genito-urinary tract
- Trauma to the urinary tract: Trauma to the kidney, lower urinary tract trauma, ureteric injuries, urethral injuries
- Acid-base balance, electrolyte disturbances & fluid balance
- Drugs and the kidneys
- Investigation of diseases of the urinary tract



## **5. LEGAL MEDICINE & TOXICOLOGY**

**Timing & duration:** Runs concurrently with the Neuroscience Module in Term 4

**Aims:** To enable students to learn about

- Aspects of medical practice that require close interaction with the country's legal system
- Common agents of poisoning among Sri Lankan patients, and the clinical features, diagnosis, treatment and prevention of such cases of poisoning.

**Contents:**

- Medico-legal duties of a medical officer: House Officer in a ward, Medical Officer in the Out Patients Department, Specialist, Hospital Director, District Medical Officer, Medical Officer (Medico-legal), General Practitioner, any other doctor
- Inquest procedure and the legal system in Sri Lanka, Pathological and Medico-legal autopsy
- Different types of injuries and their medico-legal significance: mechanical trauma, regional injuries, road traffic accidents and railway track injuries, firearm injuries, blast injuries, injuries due to heat, cold, burns, electrocution and lightning, asphyxial deaths, infanticide and abortion
- Death: definition, diagnosis, issue of certificate of medical cause of death, disposal of dead bodies and exhumation, post-mortem changes, estimation of time of death
- Examination of victims and suspects in cases of assault, accidents, sexual offences, abortion, child abuse, torture, drug & alcohol abuse and any such person that the Court directs
- Completion of medico-legal documents and category of hurt under Penal Code section 311
- Identification of the living and the dead
- Scene of the crime: visiting, collecting evidence, formulating conclusions
- Medico-legal investigation of sudden, unexplained, unexpected, obscure and suspicious deaths; deaths due to accidents, suicide, homicide and civil & criminal negligence

- Medico-legal significance of mental disorders
- Toxicology: general aspects, agrochemicals, metals & non-metals, corrosives and irrespirable gases, animal toxins, venomous snakes and arthropods in Sri Lanka, plant toxins, poisonous plants in Sri Lanka, poisoning with therapeutic drugs and substances of abuse.

## **6. NEUROSCIENCES & MENTAL HEALTH**

**Timing & duration:** Runs concurrently with the Legal Medicine & Toxicology Module in Term 4

### **Neurosciences**

**Aim:** To enable students to learn about the clinical features, diagnosis, treatment and prevention of diseases of the nervous system.

#### **Contents:**

- Brain: diseases due to structural changes in the cortical / subcortical neurons and supportive tissues; cerebrovascular disorders; disorders of the meninges and CSF; abnormal brain function after injury and acute organic brain dysfunction; seizure disorders
- Spinal cord: inflammatory, degenerative, demyelinating, neoplastic and traumatic diseases; common developmental abnormalities
- Nerves: cranial nerve palsies; diseases of the autonomic nervous system; peripheral neuropathies and entrapment neuropathies; nerve plexus injuries
- Diseases of neuromuscular transmission
- Pain: acute and chronic pain; clinical presentations; pathology, affective component; management (including pharmacological and non-pharmacological measures); pain in special contexts
- Headache: vascular, meningeal irritation, referred headaches, other

## **Mental Health**

**Aims:** to enable students to gain an understanding of the aetiology, clinical features, diagnosis and management of mental illness

**Contents:**

- Psychotic illness: schizophrenia; schizoaffective disorder; delusional disorder; brief psychotic episode
- Affective disorder: depressive disorder; manic episode; bipolar affective disorder
- Neurotic disorders: generalised anxiety disorder; panic disorder; phobias; obsessive compulsive disorder; dissociation disorder; somatization; post-traumatic stress disorder; grief adjustment disorder
- Personality disorders
- Psychoactive substance abuse: alcohol; cannabis; nicotine; opioids
- Commonly used forms of psychological therapy
- Organic mental disorders: HIV; endocrine disorders; encephalitis; delirium
- Sleep disorders; Suicide and deliberate self-harm; Eating disorders
- Mental retardation; Behavioural and emotional disorders of children
- Psycho-sexual disorders; Psychological disorders in the puerperal period; Psychiatric disorders in the elderly
- Psychiatric emergencies: aggression due to psychotic illness; deliberate self-harm; catatonic stupor
- Assessment of homicidal risk
- Demographic and statistical trends in psychiatry
- Cultural aspects of psychiatric illness
- Mental Health Act

Learning in this strand places through diverse activities such as lectures, interactive sessions with senior students, tutorials and small group sessions, seminars, role play, contact with patients in an ambulatory care setting, and field visits.

## **7. THE ENDOCRINE SYSTEM**

**Timing & duration:** Runs concurrently with the Reproductive System Module in Term 5

**Aim:** To enable students to learn about the clinical features, diagnosis, treatment and prevention of diseases of the endocrine system.

### **Contents:**

- Hypothalamus and pituitary axis: tumours and malformations, other endocrine and non-endocrine disorders of the pituitary gland
- Thirst axis: diabetes insipidus, syndrome of inappropriate ADH secretion
- Thyroid axis: developmental disorders of the thyroid; disorders of thyroid function; structural disorders; drug therapy & surgical management
- Skeletal axis: parathyroid glands, disorders of calcium homeostasis
- Adrenal axis: renin-angiotensin-aldosterone system; excessive renin secretion, excessive adrenal medullary secretion, excessive aldosterone secretion, adrenal cortical disorders, therapeutic steroids, secondary hypertension and cortisol syndromes
- Glucose homeostasis (diabetes mellitus): pathogenesis, epidemiology, classification and diagnostic criteria, complications, management, prevention ; Metabolic syndrome
- Growth abnormalities in children- short stature.

## **8. THE REPRODUCTIVE SYSTEM**

**Timing & duration:** Runs concurrently with the Endocrine System ; Module in Term 5

**Aims:** To enable students to learn about

- The clinical features, diagnosis, treatment and prevention of diseases of the reproductive tract in males and females.
- The features, diagnosis and management of normal and abnormal pregnancy, labour and the puerperal period.
- The routine care of a new born baby, and the management of problem babies.

**Contents:**

- Congenital anomalies of the genital tract
- Functional and structural abnormalities of the female genital tract: hypothalamo-pituitary-ovarian-endometrial axis, contraception, functional disorders, tumours
- Disorders of the prostate gland, penis, scrotum and testes
- Disorders of the adult breast and axilla
- Infertility
- Sexually transmitted diseases and other infections of the genital tract
- Infections affecting the male urethra, prostate gland, spermatic cord, testis and epididymis
- Trans-placentally transmitted and other infective agents causing fetal malformations / abortions / intra-uterine growth retardation
- Pregnancy, labour and puerperium
- Routine care of the newborn
- Care of the problem baby

## 9. THE ALIMENTARY SYSTEM

**Timing & duration:** first 6 weeks of Term 6

**Aim:** To enable students to learn about the clinical features, diagnosis, treatment and prevention of diseases of the alimentary system

### **Contents:**

- Oral cavity: congenital lesions, inflammatory lesions, pre-malignant and malignant lesions, inflammatory lesions of the salivary glands, salivary calculi, neoplasms of the salivary glands
- Pharynx: congenital lesions, inflammatory lesions, neoplasms
- Oesophagus: disorders of swallowing, vascular abnormalities, motility disorders, gastro-oesophageal reflux disease & treatment, carcinoma of oesophagus.
- Stomach and duodenum: peptic ulcer disease, neoplasms, surgical procedures involving the stomach, vomiting and its clinical implications, drugs used in the treatment of peptic ulcer – proton pump inhibitors, H<sub>2</sub> receptor blockers, antacids
- Small bowel: congenital anomalies, malabsorption, infections, tumours and intestinal obstruction.
- Diseases of appendix
- Colon, rectum and anus: Hirschsprung's diseases, diverticular disease, inflammatory bowel disease, irritable bowel syndrome infections, tumours, haemorrhoids, constipation and diarrhoea, rectal prolapse, rectal bleeding, fistula in ano, anal fissure, carcinoma of the anus
- Liver and biliary tree: liver disease in childhood, infections of the liver, chronic hepatitis, cirrhosis, liver failure, liver disorders in vascular and metabolic diseases, and due to alcohol and toxins, effect of drugs on the liver, liver tumours, biochemical manifestations of liver disease, disorders of the gall bladder, ascites, portal hypertension, liver transplantation
- Pancreas: congenital abnormalities, acute pancreatitis, chronic pancreatitis, tumours of exocrine pancreas, assessment of pancreatic diseases

- Anterior abdominal wall: clinical examination, surgical incisions, abdominal wall herniae
- Peritoneum & peritoneal cavity: ascites, peritonitis, intra-abdominal abscesses, use of the peritoneum for dialysis

## **10. SKIN & LOCOMOTOR SYSTEM**

**Timing & duration:** last 5 weeks of Term 6

**Aims:** To enable students to learn about the clinical features, diagnosis, treatment and prevention of diseases relating to the locomotor system and the skin.

### **Contents:**

- Bone: fractures and dislocations, avascular necrosis of bone, tendon injuries, congenital disorders, metabolic bone disorders, bone and joint infections, bone tumours
- Joints: general aspects of arthritis, osteoarthritis, rheumatoid arthritis, common connective tissue disorders (SLE & scleroderma), low back ache, child with limping, common soft tissue rheumatisms, neck pain
- Use of corticosteroids in musculo-skeletal disorders
- Muscle: myopathy, myositis, muscular dystrophy and myotonia, management of a patient presenting with skeletal muscle weakness  
Skin: common infections of the skin and soft tissues, parasitic diseases of the skin, eczema, papulosquamous eruptions, psoriasis, skin changes in systemic illness, pre-malignant lesions, tumours and cysts of the skin and soft tissues, wounds, sinuses, fistulae, burns
- Tuberculosis as a multisystem disease
- Special senses (eye)

## 5. Professional Development and Family Practice Strand (PDFPS)

The PDFPS runs across Phases I and II and it consists of two modules. The learning outcomes, content, structure and organisation of each modules are presented in detail below.

### A. Personal and Professional Development (PPD) Module

Table 1 below illustrates how the outcomes of the MBBS programme are addressed in the PPD module. The organisation of the PPD strand is illustrated in Table 2.

**Table 1 - Outcomes and broad content areas of PPD module**

Outcomes		Broad content areas
Doctor as a practitioner	Clinical skills and patient management	<ul style="list-style-type: none"> <li>• (Reflective practice)</li> <li>• (Evidence-based practice)</li> </ul>
	Communication skills	<ul style="list-style-type: none"> <li>• Verbal and written communication at individual / group levels with patients, the public, colleagues of the same profession and other healthcare professionals</li> </ul>
	Population health & health systems	<ul style="list-style-type: none"> <li>• Interpersonal skills</li> <li>• Legal and regulatory frameworks</li> </ul>
	Information management	<ul style="list-style-type: none"> <li>• Legal and ethical aspects of medical records and documentation</li> </ul>
Doctor as a scientist	Scientific basis of Medicine	<ul style="list-style-type: none"> <li>• Understanding normal / abnormal behaviour of self and others (Psychology, Sociology, anthropology)</li> <li>• Medical ethics</li> </ul>
	Critical thinking & research	<ul style="list-style-type: none"> <li>• Dealing with uncertainty and error</li> <li>• Adaptability</li> <li>• Evidence-based practice</li> </ul>



Doctor as a professional	Professional values, attitudes & ethics	<ul style="list-style-type: none"> <li>• Teamwork</li> <li>• Managerial and entrepreneurship</li> <li>• Ethical behavior</li> <li>• Legal responsibilities of a medical practitioner</li> <li>• Personal development; Reflective practice and lifelong learning</li> </ul>
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**Table 2 – Structure and organisation of the PPD module**

Subjects areas	Psychology, Sociology, Biomedical-ethics, Communication, Professionalism
Teaching and learning	Small group discussions, Project assignments, Seminars, Lectures
Stage of teaching	Years 1 – 4 (Integrated in to disciplines in the final year)
Time allocation for teaching and learning	Phase I – 37 hours Phase II – 11hours
Assessment methods	Reflective reports, MCQs, OSCE, Portfolio
Coordination	Department of Medical Education

<sup>1</sup>Portfolio: Minimum evidence to be collected and presented

Phase I	Phase II
Tutor assessment of professional behaviour in classroom / faculty environment	Observation in clinical setting
Peer assessment of teamwork and interpersonal skills	
Professionalism index*	
Two Written reflective accounts on professionalism dilemmas	

\*Professionalism Index – This software collates evidence on several attributes of professionalism, (e.g. responsibility, accountability, integrity) using day-to-day activities of students not only in behavioural sciences but also in system-based modules, community strand, clinical rotations, etc.

## B. Family Medicine Module

Table 3 below illustrates how the outcomes of the MBBS programme are addressed in the Family Medicine module. The module organisation is illustrated in Table 4.

**Table 3 - Outcomes and broad content areas of Family Medicine Module (FMM)**

Outcomes		Broad content areas
Doctor as a practitioner	Clinical skills and patient management	Patients presenting to primary care
	Communication skills	Verbal and written communication at individual / group levels with patients, the public, colleagues of the same profession and other healthcare professionals
	Population health & health systems	Primary care system and family practice in Sri Lanka
	Information management	ICT for family practice
Doctor as a scientist	Scientific basis of Medicine	Family Medicine
	Critical thinking & research	Evidence-based practice
Doctor as a professional	Professional values, attitudes & ethics	Practice management Legal responsibilities Personal development; reflective practice and lifelong learning

**Table 4 - Structure and organisation of the Family Medicine Module**

<b>Subject area</b>	<b>Family Medicine</b>
Teaching / learning and stages	Family Medicine Module (Theory) - 1 week Family Medicine Clinical Rotation – 4 weeks (During 4 <sup>th</sup> year)
Time allocation for teaching and learning	Phase II – 12 Hours (Phase II Term 2) – Allocated in the Cardio respiratory Module
Assessment methods	MCQs, SEQs, OSCE
Coordination	Department of Family Medicine

The assessments of the PDFPS consist continuous assessments (PDFPS 1 – 4) and a main exam (Unit 5). The continuous assessments contributes to 50% of the total marks for the strand and the unit exam is allocated with the remainder. The continuous assessments of the PDFM strand are summarised in Table 5.

**Table 5 – Summary of continuous assessments of PDFPS**

<b>Continuous assessment</b>	<b>Model of assessment</b>	<b>Timing</b>	<b>Percentage contribution to the final mark of the module</b>	
			<b>PPDM</b>	<b>FMM</b>
PDFPS CA 1	Reflective account (Group assignment)	End of Phase I	10%	-
	Formative assessment of the portfolio	End of Phase I	15%	-
PDFPS CA 2	4 SEQs	Phase II – Term 3	-	20%
PDFPS CA 3	End of appointment OSCE	During Year 4	-	30%
PDFPS CA 4	Reflective account (Group assignment)	End of Phase II	10%	-
	Formative assessment of the portfolio	End of Phase II	15%	-
<b>Total percentage contribution to the final module mark</b>			<b>50%</b>	<b>50%</b>

The structure of Unit 5 exam is given in Table 6 below. Student should pass Unit 5 exam independent of continuous assessments to pass the strand.

**Table 6 – Structure of Unit 5 examination**

Component	Mode of assessment	% mark allocation
MCQs	15 (SBA 10 & T/F 5)	40%
SEQs	4 (30 minutes each)	
OSCE	10 (6 minutes each)	60%

Table 7 below provides details of the calculation of the final marks of the PDFP strand.

**Table 7 – Contributions of continuous assessments and unit exams for PDFPS**

Component	Percentage contribution
Continuous assessments of PPDM (PDFMS CA 1 & 5)	25%
Continuous assessments of FMM (PDFPS CA 3 & 4)	25%
Unit 5 examination	50%
Total strand mark	100%

## **6. Community Health Strand (Years 1 – 4)**

**Aims:** To enable students to

- Develop skills in using the tools necessary to promote community health.
- Learn about the determinants of health and disease of communities.
- Learn about the organisation and delivery of health care services.
- Develop attitudes appropriate to the practice of public health medicine.

### **Contents in Phase I:**

- Health care services: definition of health; concepts of disease; determinants of disease; disease prevention at different levels; definition and components of Primary Health Care; organisational structure of health delivery systems and health manpower in Sri Lanka
- Demography: definition, factors affecting size and composition of the population; sources of population data
- Statistics: appropriate summary statistics and graphical methods for describing a data set; normal distribution; tables and graphs; sampling methods

### **Contents in Phase II:**

- Statistics: confidence intervals, tests of statistical significance, correlation coefficient and linear regression, standardization of mortality and morbidity statistics
- Basic Epidemiology: concepts, measures of morbidity and mortality, epidemiological study designs, uses and limitations, determining factors in causation of disease, quality of data
- Research Methodology: identifying research problems, formulating objectives, literature survey, data collection techniques, analysis and presentation of data, writing a research report
- Health Education: Definition, concepts, health belief model, health education materials, health education programmes
- Reproductive Health: definition, concepts, family health programme in Sri Lanka, safe motherhood, maternal and child health services, nutrition and malnutrition, EPI programme, school health services, adolescent health, minimising childhood mortality, family planning and fertility control, prevention of maternal deaths, gender issues, Well Woman Clinics

- Communicable Diseases: epidemics and pandemics, endemic disease, notification, investigation of an epidemic, control and prevention of diarrhoeal diseases, management of upper respiratory tract infections, control and prevention of TB, leprosy, Japanese encephalitis, dengue, leptospirosis, cholera, measles, tetanus, polio, diphtheria, pertussis, sexually transmitted diseases and HIV / AIDS, rabies, plague, chickenpox, enteric fevers, filariasis, malaria, hepatitis, rubella, mumps
- Environmental Health: sources and effects of environmental pollution, prevention, food safety, housing, urbanisation and industrialisation, disaster management
- Occupational Health: occupational health hazards, and their prevention
- Management and Planning: health indicators, national health information systems, planning process, monitoring and evaluation of health programmes, health as a 'right', evaluating health care quality
- Special Topics: population size and composition, problems of the elderly, disabled and displaced, non-communicable diseases, accidents, substance abuse, international health regulations

In addition to lectures and tutorials, learning in this strand takes place through a Community Attachment in the 3<sup>rd</sup> and 4<sup>th</sup> years, a research project conducted at the end of the 3<sup>rd</sup> year, and a clinical clerkship in the 4<sup>th</sup> year.

## 7. Clinical Skills Strand (Years 1 – 5)

### PHASE I MODULES

**Aim:** To enable students to learn basic clinical skills considered relevant to the learning objectives of each organ system based learning module in Phase I

**Contents:** As specified in the relevant learning modules

**Learning activities:** Limited exposure to patients; sessions in Clinical Skills Lab

### PHASE II MODULES

**Aim:** To enable students to learn clinical skills directly relevant to the learning objectives of organ-system based learning module in Phase II

**Contents:** As specified in the relevant learning modules

**Learning activities:** sessions in Clinical Skills Lab

### CLINICAL ATTACHMENTS

**Timing & duration:** Monday – Saturday mornings for a total of 82 weeks during 3<sup>rd</sup> and 4<sup>th</sup> years

**Aim:** To enable students to learn and practise the clinical skills necessary for the diagnosis and management of disease conditions of importance in Sri Lanka.

**Contents / Learning activities:**

- Attachments in the General Medical (16 weeks), General Surgical (12 weeks), Obstetric & Gynaecological (8 weeks), Paediatrics (8 weeks) and Psychiatric Wards (2 weeks) in the Colombo North Teaching Hospital in Ragama, Base Hospitals at Gampaha and Negombo, the University Family Practice Clinic at Ragama (4 weeks); General Practitioner Clinics (3 morning sessions)
- Attachments of 2 weeks each in the following specialised units: Rheumatology, Chest Medicine, Dermatology, Sexually Transmitted Diseases, Radiology, Cardiology, Neurology, Oto-laryngology, Ophthalmology, Orthopaedic Surgery, Clinical Pathology, Forensic Medicine
- Attachment of 1 week – Emergency Medicine in the CNTH

## **FINAL YEAR**

**Aims:** By the end of the final year of study, a student should have

- A knowledge and understanding of health and disease and knowledge of prevention and management of the latter, in the context of the individual as a whole, in his or her place in the family and the community.
- The skills to communicate effectively, make informed decisions and develop appropriate professional relationships.
- The necessary attitudes which enable him or her to be aware of the responsibilities of a doctor and in particular to have a commitment to high standards of professionalism.
- The knowledge, attitudes and skills necessary to deliver Primary Health Care.

### **Contents / Learning activities:**

- Full-time attachments of eight weeks each in the University Professorial Units of Medicine, Surgery, Obstetrics & Gynaecology, Paediatrics and Psychiatry
- Weekly tutorials on defined topics in Medicine, Surgery, Obstetrics & Gynaecology, Paediatrics and Psychiatry
- Monthly integrated case conferences on defined topics in Medicine, Surgery, Obstetrics & Gynaecology, Paediatrics and Psychiatry.



## **MBBS DEGREE BY-LAWS**

### **MADE BY THE COUNCIL OF THE UNIVERSITY OF KELANIYA**

#### **General regulations**

- 1) These By-Laws may be cited as the Bachelor of Medicine and Bachelor of Surgery (MBBS) Degree By-Laws.
- 2) Subject to these By-Laws, a student may be awarded the Degree of Bachelor of Medicine and Bachelor of Surgery, if he /she
  - a) has been admitted as an internal student of the University, and
  - b) has been registered as a student of the University for a period not less than 4 years and 9 months, and
  - c) has completed to the satisfaction of the Senate, courses of study as prescribed by these By Laws and Rules and Regulations made there under, and
  - d) has passed the First Examination for Medical Degrees, and
  - e) has passed the Second Examination For Medical Degrees, and
  - f) has passed the Final Examination for Medical Degrees **within ten years of commencement of academic work**, and
  - g) has paid such fees or other dues as may be prescribed by the University, and
  - h) has fulfilled any other conditions or requirements as may be prescribed by the University.
- 3) The examinations leading to the Degree of Bachelor of Medicine and Bachelor of Surgery shall be as follows:
  - a) First Examination for Medical Degrees
  - b) Second Examination for Medical Degrees
  - c) Final Examination for Medical Degrees

- 4) These general regulations are applicable to all examinations leading to the Degree of Bachelor of Medicine and Bachelor of Surgery.
- 5) The modules / strands / subjects within the courses of study and syllabuses for the examinations leading to the Degree of Bachelor of Medicine and Bachelor of Surgery and forms of assessments in each examination shall be prescribed by the Regulations made by the Senate.
- 6) Each of the examinations prescribed by these By-Laws and the Regulations thereunder shall be conducted by a Board of Examiners constituted for the conduct of that examination.
- 7) A candidate shall present himself / herself for each examination leading to the MBBS degree at the earliest scheduled examination after completion of the relevant course work, on the first occasion at which he / she is required to do so, provided that it shall be within the power of the Senate to declare that he / she is eligible to appear for that examination.
- 8) A candidate must have evidence of satisfactory completion of the relevant mandatory course work / clinicals in order to be eligible to appear for an examination.
- 9) A candidate who does not have evidence of satisfactory completion of the relevant mandatory course work / clinicals, must complete such course work / clinicals by attending extra classes. Once course work / clinicals have been satisfactorily completed, the candidate is eligible to sit for the next end-course examination.
  - a) If the candidate's absence from mandatory course work / clinicals is covered by a valid excuse<sup>1</sup>, this would be considered as his / her first attempt at the

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<sup>1</sup> A valid excuse is one that has been accepted by the Faculty Board on the recommendation of the Faculty's Management Committee

examination, and therefore he / she will be eligible for distinctions and honours.

- b) If the candidate's absence from course work / clinicals is not covered by a valid excuse<sup>1</sup>, this would be considered as his / her second attempt and therefore he / she will not be eligible for distinctions and honours.
- 10) Marks from in-course continuous assessments will be taken into consideration only for a candidate's first attempt at the relevant examination.
  - 11) If a candidate has not appeared for a continuous assessment and has a valid excuse<sup>1</sup>, he / she shall be awarded a mark that is equivalent to the average mark obtained by him / her at the other in-course assessments relevant to that particular examination, provided that he / she has satisfactorily completed the relevant mandatory course work.
  - 12) If a candidate has not sat for a continuous assessment and does not have a valid excuse<sup>1</sup>, he / she shall be given a zero mark for that continuous assessment.
  - 13) If a candidate has not sat for two or more continuous assessments, with or without a valid excuse<sup>1</sup>, he / she will not be eligible to appear for the relevant end-course examination.
  - 14) A candidate must be eligible to appear for all assessment units / subjects that comprise an examination before he / she is admitted to that examination. A candidate will be allowed to appear for a separate component / subject in a particular examination only if he / she has been referred in that component / subject at a previous examination.
  - 15) A student may be granted permission to postpone a scheduled attempt at an examination on the basis of a valid

excuse accepted by the Senate<sup>2</sup>. The attempt at which he/she sits the examination after the postponement shall be regarded as the attempt for which he/she has submitted a valid excuse.

- 16) In the absence of an excuse accepted by the Senate, failure to sit any due or scheduled examination shall be considered as an unsuccessful attempt at that examination.
- 17) A candidate who has been successful at the First, Second, and / or Final Examinations for Medical Degrees, may be awarded First Class Honours or Second Class Honours (Upper division) or Second Class Honours (Lower division) or a pass, as the case may be.
- 18) A candidate must pass all components of a given examination at the first attempt and at the same examination, in order to be eligible for classes, distinctions and medals.
- 19) A candidate shall not be eligible for classes, distinctions and medals unless he / she has taken the examination on the earliest occasion on which he / she is qualified to do so, provided that it shall be within the power of the Senate to declare, for some specified reason, that he / she is eligible for classes, distinctions and medals at a subsequent examination
- 20) If a candidate is absent for the entire examination at the first scheduled attempt, and
  - a) he / she has a valid excuse accepted by the Senate<sup>3</sup>, the candidate may sit for the next examination as his / her first attempt. Therefore he / she will be eligible for classes, distinctions and medals.

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<sup>2</sup> An excuse accepted by the Senate on the recommendation of the Student Appeals Committee (where relevant), the Faculty Board and the Medical Faculty Management Committee.

<sup>3</sup> As in Footnote 2

- b) he / she does not have a valid excuse accepted by the Senate<sup>3</sup>, the candidate must sit for the next examination as his / her second attempt, and therefore he / she will not be eligible for classes, distinctions and medals.
- 21) If a candidate is absent for an assessment unit / subject that comprises part of an examination, and he / she has a valid excuse accepted by the Senate<sup>3</sup>, the candidate may select one of the following options:
  - a) The candidate may request that the whole examination is considered null and void, and take all the assessment units / subjects at the next examination, which would be considered as his / her first attempt. Therefore the candidate will be eligible for classes, distinctions and medals.
  - a) The candidate may request to sit only for the subjects for which he / she was absent and / or sat for and did not pass. Such an attempt will be considered as the second attempt. Therefore the candidate will not be eligible for classes, distinctions and medals.

### **First Examination for Medical Degrees**

- 22) The First Examination for Medical Degrees shall consist of examination of all modules that comprise Phase I of the MBBS course as approved by the Senate.
- 23) The course shall be of 5 terms duration and the examination shall be held at the end of the 5<sup>th</sup> term of study. One repeat examination will be held not less than 6 weeks after publication of the results of the main examination.
- 24) A candidate for the examination should have
  - a) Followed the prescribed course of study to the satisfaction of the Senate and present evidence of

satisfactory completion of mandatory course work and in-course assessments and

- b) Obtained the Certificate of Competency in English awarded by the English Language Teaching Unit (ELTU) of the University of Kelaniya.
- 25) The First Examination shall consist of two components, entitled Unit 1 and Unit 2.
  - 26) There shall be 2 continuous assessments held after the end of the 2<sup>nd</sup> and 3<sup>rd</sup> terms, and entitled CA1 and CA2 respectively, which shall contribute towards the final mark in the Unit 1 examination.
  - 27) There shall be 2 continuous assessments, held after the end of the 4<sup>th</sup> and 5<sup>th</sup> terms, and entitled CA3 and CA4 respectively, which shall contribute towards the final mark in the Unit 2 examination.
  - 28) A student must sit for his / her first attempt at the First Examination within 4 years of his / her commencing academic work in the Faculty.
  - 29) The following criteria shall be used to determine examination outcome:
    - a) A candidate who obtains an overall mark of 50% or more and a total of 45% or more for the summative examination<sup>4</sup> theory papers in a given Unit, shall be considered to have passed that Unit, provided that candidate has obtained an overall mark of more than 25% in the other Unit.
    - b) A candidate who passes both Units 1 and 2 shall be considered to have passed the First Examination.
    - c) A candidate who obtains an overall mark between 25% and 50% in a Unit, or more than 50% of the overall mark and less than 45% in the theory

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<sup>4</sup> Change to become effective for Batch 24 onwards (2011/2012 intake); first exam to be held in 2014

component of the summative examination for that unit<sup>5</sup>; and has passed the other unit, shall be considered to have been **referred** in the First Examination. Such a candidate shall be permitted to sit again for the unit that he / she did not pass.

- d) A candidate who obtains marks between 25% and 50% in both Units or less than 25% in one Unit, shall be considered to have **failed** the First Examination for Medical Degrees. Such a candidate must sit for both Units again.

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<sup>5</sup> As in Footnote 4

- 30) A student must pass the First Examination in not more than **four** scheduled attempts, not counting validly excused attempts<sup>6</sup>. **In the event that a student fails to do so, his / her registration shall be declared invalid by the Vice-Chancellor on the recommendation of the Senate, and he / she shall cease to be a student of the university.**
- 31) The following criteria shall be used to determine award of classes:
- a) A candidate who passes the First Examination at the first attempt and obtains an overall average mark of 70% or above **and** at least 65% in each Unit, shall be eligible for **First Class Honours**.
  - b) A candidate who passes the First Examination at the first attempt and obtains an overall average mark less than 70% and more than, or equal to 65%, shall be eligible for **Second Class (Upper Division) Honours**.
  - c) A candidate who passes the First Examination at the first attempt and obtains an overall average mark less than 65% and more than or equal to 60% at that examination shall be eligible for **Second Class (Lower Division) Honours**.
- 32) Any candidate who is eligible for a class in the First Examination for Medical Degrees, and who has obtained at least 70% of marks for questions included in all assessment components of the First Examination (including continuous assessments) identified by the Examination Board as relevant to the subjects of **Anatomy, Biochemistry or Physiology**, shall be awarded a **Distinction** in the relevant subject<sup>7</sup>.

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<sup>6</sup> As in Footnote 2

<sup>7</sup> Changes to become effective for Batch 25 onwards (2012/2013 intake); first exam to be held in 2015



- 33) From among those candidates who are awarded Distinctions in the subjects of Anatomy, Biochemistry or Physiology, as stipulated in paragraph 32 above, the candidate who obtains the highest overall mark in a given subject shall be awarded the relevant subject **Medal**<sup>7</sup>.
- 34) The candidate who obtains the highest aggregate mark at the First Examination for Medical Degrees shall be awarded the **Dr. Asoka Dissanayake Gold Medal**.
- 35) A student shall not be permitted to enter Phase II of the MBBS program unless he / she has passed the First Examination for Medical Degrees.

### **Second Examination for Medical Degrees**

- 36) The Second Examination for Medical Degrees shall consist of examinations of all modules that comprise Phase II, the Behavioural Sciences & Mental Health Strand and the Community Health Strand of the MBBS course, as approved by the Senate.
- 37) The Second Examination for Medical Degrees shall consist of six components, entitled Units 3A, 3B, 3C, 4, 5 and 6. Units 3A, 3B, and 3C shall be held at the end of the 3<sup>rd</sup> year and Units 4, 5 and 6 shall be held together at the end of the 4<sup>th</sup> year<sup>8</sup>.
- 38) A candidate for the examination should have followed the prescribed course of study for each Unit to the satisfaction of the Senate and present evidence of satisfactory completion of mandatory course work and in-course assessments.
- 39) Units 3A, 3B, and 3C shall consist of examination of the modules conducted in Terms 1, 2 and 3, respectively, in Phase II of the MBBS course as approved by the Senate<sup>8</sup>.

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<sup>8</sup> Change to become effective for Batch 22 onwards (2009/2010 intake); first exam to be held in 2013

One repeat examination shall be held not less than 6 weeks after publication of the results of the main examination.

- 40) There shall be 3 continuous assessments held after the end of Terms 1, 2 and 3 in Phase II, entitled CA5, CA6 and CA7 respectively, which shall contribute towards the final mark in the Units 3A, 3B, and 3C examinations respectively<sup>8</sup>.
- 41) Mandatory course work for Units 3A, 3B and 3C shall include all tutorials, seminars and laboratory classes in the learning modules conducted during Terms 1, 2 and 3 respectively of Phase II<sup>8</sup>.
- 42) Unit 4 shall consist of examination of all modules that comprise Terms 4, 5 and 6 in Phase II of the MBBS course as approved by the Senate. One repeat examination shall be held not less than 6 weeks after publication of the results of the main examination.
- 43) There shall be 3 continuous assessments held after the end of Terms 4, 5 and 6 in Phase II, and entitled CA8, CA9 and CA10 respectively, which shall contribute towards the final mark in the Unit 4 examination.
- 44) Mandatory course work for Unit 4 shall include all tutorials, seminars and laboratory classes in the learning modules conducted during Terms 4, 5 and 6 of Phase II, and the clinical appointments in Clinical Pathology and Forensic Medicine.
- 45) Unit 5 shall consist of examination of all the content matter covered within the Behavioural Sciences & Mental Health Strand in Years 1, 2, 3 and 4 of the MBBS course. One repeat examination shall be held not less than 6 weeks after publication of the results of the main examination.
- 46) There shall be 4 continuous assessments entitled BSMH CA1, BSMH CA2, BSMH CA3 and BSMH CA4 which shall contribute towards the final mark of the Unit 5 examination.

BSMH CA1 shall be held at the end of Phase I and BSMH CA2-4 during Phase II.<sup>9</sup>

- 47) Mandatory course work for Unit 5 shall include satisfactory completion of a portfolio within the Behavioural Sciences & Mental Health Strand in Years 1, 2, 3 and 4 and the clinical appointments in Psychiatry and Family Medicine.
- 48) Unit 6 shall consist of examination of all the content matter covered within the Community Health Strand in Years 1, 2, 3 and 4 of the MBBS course. One repeat examination shall be held not less than 6 weeks after publication of the results of the main examination.
- 49) There shall be 6 continuous assessments entitled CH CA1, CH CA2, CH CA3, CH CA4, CH CA5, and CH CA6, which shall contribute towards the final mark of the Unit 6 examination. CH CA1 shall be held during Phase I, and the others during Phase II.
- 50) Mandatory course work for Unit 6 shall include all tutorials, seminars and field visits conducted within the Community Health strand in Years 1, 2, 3 and 4, the clinical appointment in Community Medicine, the Community Attachment and the Research Project.
- 51) The following criteria shall be used to determine examination outcome<sup>8</sup>:
  - a) A candidate who obtains an overall mark of 50% or more **and** a total of 45% or more for the summative examination theory papers for a given Unit, shall be considered to have passed that Unit, provided that the candidate has obtained an overall mark of more than 25% in the other concurrent Unit examinations.

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<sup>9</sup> Change to become effective for Batch 25 onwards (2012/2013 intake); first assessment to be held in 2015

- b) A candidate who passes Units 3A, 3B, 3C, 4, 5 and 6 shall be considered to have **passed** the Second Examination for Medical Degrees.
  - c) A candidate who obtains marks between 25% and 50% of the overall mark **or** less than 45% in the summative examination theory components of any one or two units of Units 3A, 3B or 3C examinations shall be considered to have been **referred** in the relevant Unit(s) of the Second Examination for Medical Degrees. Such a candidate shall be permitted to sit again for the relevant Unit(s) alone.
  - d) A candidate who obtains marks between 25% and 50% of the overall mark or less than 45% in the summative examination theory components of any one or two units of Units 4, 5 or 6 examinations, shall be considered to have been **referred** in the relevant unit(s) of the Second Examination for Medical Degrees. Such a candidate shall be permitted to sit again for the relevant unit(s) alone.
  - e) A candidate who obtains marks of less than 25% for any one of Units 3A, 3B **or** 3C, and / or who obtains marks between 25% and 50% in Units 3A, 3B **and** 3C, shall be considered to have **failed** Units 3A, 3B and 3C. Such a candidate must sit for all three Units again.
  - f) A candidate who obtains marks of less than 25% for any one of the Units 4, 5 **or** 6, and / or who obtains marks between 25% and 50% in Units 4, 5 **and** 6, shall be considered to have **failed** Units 4, 5 and 6. Such a candidate must sit for all three Units again.
- 52) The following criteria shall be used to determine award of classes<sup>8</sup>:
- a) A candidate who passes all six units that comprise the Second Examination for Medical Degrees at the first attempt **and** obtains an overall average mark of 70% or above at that examination **and** at least

65% in each Unit, shall be eligible for **First Class Honours**.

- b) A candidate who passes all six units that comprise the Second Examination for Medical Degrees at the first attempt, **and** obtains an overall average mark less than 70% and more than or equal to 65% at that examination, shall be eligible for **Second Class (Upper Division) Honours**.
  - c) A candidate who passes all six units that comprise the Second Examination for Medical Degrees at the first scheduled attempt, **and** obtains an overall average mark less than 65% and more than or equal to 60% at that examination, shall be eligible for **Second Class (Lower Division) Honours**.
- 53) Any candidate who is eligible for a class in the Second Examination for Medical Degrees, and who has obtained at least 70% of marks for questions included in all assessment components of the Second Examination (including continuous assessments) identified by the Examination Board as relevant to the subjects of **Family Medicine, Forensic Medicine, Microbiology, Parasitology, Pathology or Pharmacology** shall be awarded a **Distinction** in the relevant subject<sup>10</sup>.
- 54) A candidate who obtains an overall mark of 70% or more in the Unit 6 examination (Community Health Strand) shall be awarded a **Distinction** in **Public Health**.
- 55) From among those candidates who are awarded Distinctions in the subjects of Family Medicine, Forensic Medicine, Microbiology, Parasitology, Pathology, Pharmacology and Public Health, as stipulated in paragraphs 53 and 54 above, the candidate who obtains the highest overall mark in a given subject shall be awarded the relevant subject **Medal**<sup>9</sup>.

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<sup>10</sup> Changes to become effective from Batch 24 onwards (2011/2012 intake); first exams to be held in 2015

- 56) The candidate who obtains the highest aggregate mark at the Second Examination for Medical Degrees shall be awarded the **Gold Medal for the Second Examination**.
- 57) A student shall not be permitted to enter the final year of the MBBS degree programme unless he / she has passed the Second Examination for Medical Degrees and completed all clinical appointments in the 3<sup>rd</sup> and 4<sup>th</sup> years to the satisfaction of the Dean, on the recommendation of the relevant clinical Head of Department.

## Final Examination for Medical Degrees

- 58) The Final Examination for Medical Degrees shall consist of the subjects of Medicine, Surgery, Obstetrics & Gynaecology, Paediatrics and Psychiatry, as approved by the Senate.
- 59) A candidate should have followed the prescribed course of study for each subject to the satisfaction of the Senate, and presented evidence of satisfactory completion of mandatory course work and in-course assessments, to be eligible to sit for the examination.
- 60) There shall be 3 continuous assessments in each of the subjects of Medicine, Surgery, Obstetrics & Gynaecology and Paediatrics. The 1<sup>st</sup> continuous assessment for all four subjects shall be conducted together at the end of the 3<sup>rd</sup> year clinical appointments. The 2<sup>nd</sup> continuous assessment for all four subjects shall be conducted together at the end of 4<sup>th</sup> year clinical appointments. The 3<sup>rd</sup> continuous assessment shall be held in the final year, at the end of the relevant clinical appointment. There shall be one continuous assessment in the subject of Psychiatry, conducted in the final year, at the end of the relevant clinical appointment.
- 61) The Final Examination for Medical Degrees shall be held at the end of five academic years. One repeat examination shall be held not less than 6 weeks after publication of the results of the main examination.
- 62) The following criteria shall be used to determine examination outcome:
  - a) A candidate who obtains an overall mark of 50% or more in a subject **and** a mark of 50% or more in the relevant clinical component and a mark of 45% or more in the relevant summative examination theory component, shall be considered to have **passed** that **subject** provided that he / she has

obtained an overall mark of 25% or more in each of the other subjects<sup>11</sup>.

- b) A candidate who passes all five subjects shall be considered to have **passed** the **Final Examination**.
- c) A candidate who obtains an overall mark between 25% and 50% in a subject(s), or a mark below 50% in the clinical component of a subject(s) and / or a mark below 45% in the summative examination theory component of a subject(s), shall be considered to have been **referred** in the relevant subject(s) provided that he / she has obtained an overall mark of 25% or more in the other subjects<sup>12</sup>.
- d) A candidate who has been referred in a subject(s) shall be permitted to sit again for the referred subject(s) only. A candidate who has been referred in two or more subjects must sit for all such subject examinations together, at one and the same examination.
- e) A candidate who obtains an overall mark of less than 25% in any one or more of the five subjects that comprise the Final Examination, **or** who has not passed **any** of the five subjects, shall be considered to have **failed** the Final Examination. Such a candidate must sit for all five subjects again.

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<sup>11</sup> Change to become effective from Batch 20 onwards (2007/2008 intake); first exam to be held in 2013

<sup>12</sup> As in Footnote 13



- 63) The following criteria shall be used to determine award of classes:
- a) A candidate who passes all five subjects that comprise the Final Examination for Medical Degrees at the first attempt **and** obtains an overall mark of 70% or above according to the regulations approved by the Senate, **and** obtains an overall mark of least 65% in each subject, shall be eligible for **First Class Honours**.
  - b) A candidate who passes all five subjects that comprise the Final Examination for Medical Degrees at the first attempt, **and** obtains an overall average mark less than 70% and more than or equal to 65% according to the regulations approved by the Senate, shall be eligible for **Second Class (Upper Division) Honours**.
  - c) A candidate who passes all five subjects that comprise the Final Examination for Medical Degrees at the first attempt, **and** obtains an overall average mark less than 65% and more than or equal to 60%, according to the regulations approved by the Senate, shall be eligible for **Second Class (Lower Division) Honours**.
- 64) A candidate who obtains an overall mark of 70% or more **and** a mark of 65% or more for both theory and clinical components in any one or more of the five subjects that comprise the Final Examination shall be awarded a **Distinction(s)** in the relevant subject(s).
- 65) The candidate who obtains the highest overall mark in a subject, provided it is equal to, or more than 70% **and** a mark of 65% or more for both theory and clinical components, shall be awarded the relevant **subject medal**.
- 66) The candidate who obtains the highest overall average mark in the Final Examinations for Medical Degrees according to the regulations approved by the Senate, shall be awarded the **Gold Medal for the Final Examination**.

- 67) The candidate who obtains the highest combined aggregate mark from all 6 units and 5 subjects that comprise the First, Second and Final Examinations for Medical Degrees shall be awarded the **Professor Carlo Fonseka Gold Medal**, provided that he / she has obtained an overall average mark of 65% or more in each examination.
- 68) A candidate who has not passed one or more subjects after two attempts at the Final MBBS examination shall be required to repeat a course of study prescribed for the relevant subject(s) by the Head of Department and approved by the Faculty Board, before such a candidate is considered eligible for a third attempt at the Final MBBS examination at the end of the next academic year. Similarly, a candidate who has not passed one or more subjects at every second attempt shall be required to repeat the course(s) of study prescribed for the given subject(s) before being considered eligible for subsequent attempts in following years.
- 69) **A student must pass the Final Examination for Medical Degrees within ten calendar years of commencing academic work in the faculty.** In the event that a student fails to do so, his / her registration shall be declared invalid by the Vice-Chancellor on the recommendation of the Senate, and he / she shall cease to be a student of the university.
- 70) A student who has been admitted to the MBBS programme, but desires early exit may be awarded a **Diploma in Human Biology**, provided the student has fulfilled the following criteria:
- Accumulated grades of C or better<sup>13</sup> in course units aggregating to at least 30 credits at SLQF level 3 (1<sup>st</sup> year of study)<sup>14</sup>, and
  - Obtained a Grade Point Average of 2.00 or greater for such course units, and

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<sup>13</sup> See Annex 1 for Grade Key

<sup>14</sup> See Annex 2 for outline of course units at each SLQF level

- c. Completed the relevant requirements within a period of not more than three consecutive academic years
- 71) A student who has been admitted to the MBBS programme, but desires early exit may be awarded a **Diploma in Human Biology with merit**, provided the student has fulfilled the following criteria:
  - a. Accumulated grades of C or better in course units aggregating to at least 30 credits at SLQF level 3 (1<sup>st</sup> year of study), and
  - b. Obtained a Grade Point Average of 3.70 or greater for such course units, and
  - c. Completed the relevant requirements within a period of not more than one academic year
- 72) A student who has been admitted to the MBBS programme, but desires early exit may be awarded a **Higher Diploma in Human Biology**, provided the student has fulfilled the following criteria:
  - a. Accumulated grades of C or better in course units aggregating to at least 60 credits at SLQF levels 3 and 4 (1<sup>st</sup> and 2<sup>nd</sup> years of study), of which at least 30 credits must be from SLQL 4, and
  - b. Obtained a Grade Point Average of 2.00 or greater for such course units, and
  - c. Completed the relevant requirements within a period of not more than four consecutive academic years
- 73) A student who has been admitted to the MBBS programme, but desires early exit may be awarded a **Higher Diploma in Human Biology with merit**, provided the student has fulfilled the following criteria:
  - a. Accumulated grades of C or better in course units aggregating to at least 60 credits at SLQF levels 3 and 4 (1<sup>st</sup> and 2<sup>nd</sup> years of study), of which at least 30 credits must be from SLQL 4, and

- b. Obtained a Grade Point Average of 3.70 or greater for such course units, and
  - c. Completed the relevant requirements within a period of not more than two consecutive academic years
- 74) A student who has been admitted to the MBBS programme, but desires early exit may be awarded a **Bachelor of Health Sciences**, provided the student has fulfilled the following criteria:
  - a. Accumulated grades of B- or better in course units aggregating to at least 60 credits at SLQF levels 3 and 4 (1<sup>st</sup> and 2<sup>nd</sup> years of study), and
  - b. Accumulated grades of C or better in course units aggregating to at least 30 credits at SLQF levels 5 and/or 6 (3<sup>rd</sup> and/or 4<sup>th</sup> years of study), and
  - c. Obtained a Grade Point Average of 2.00 or greater for all such course units, and
  - d. Completed the relevant requirements within a period of not more than five consecutive academic years
- 75) A student who has been admitted to the MBBS programme, but desires early exit may be awarded a **Bachelor of Health Sciences with First Class**, provided the student has fulfilled the following criteria:
  - a. Accumulated grades of B- or better in course units aggregating to at least 60 credits at SLQF levels 3 and 4 (1<sup>st</sup> and 2<sup>nd</sup> years of study), and
  - b. Accumulated grades of C or better in course units aggregating to at least 30 credits at SLQF level 5 (3<sup>rd</sup> year of study), and
  - c. Obtained a Grade Point Average of 3.70 or greater for all such course units, and
  - d. Obtained grades of A or better in course units aggregating to at least 50% of the total credits required under (a) and (b) above

- e. Completed the relevant requirements within a period of not more than three consecutive academic years
- 76) A student who has been admitted to the MBBS programme, but desires early exit may be awarded a **Bachelor of Health Sciences with Second Class (Upper Division)**, provided the student has fulfilled the following criteria:
- a. Accumulated grades of B- or better in course units aggregating to at least 60 credits at SLQF levels 3 and 4 (1<sup>st</sup> and 2<sup>nd</sup> years of study), and
  - b. Accumulated grades of C or better in course units aggregating to at least 30 credits at SLQF level 5 (3<sup>rd</sup> year of study), and
  - c. Obtained a Grade Point Average of 3.30 or greater for all such course units, and
  - d. Obtained grades of B or better in course units aggregating to at least 50% of the total credits required under (a) and (b) above
  - e. Completed the relevant requirements within a period of not more than three consecutive academic years
- 77) A student who has been admitted to the MBBS programme, but desires early exit may be awarded a **Bachelor of Health Sciences with Second Class (Lower Division)**, provided the student has fulfilled the following criteria:
- a. Accumulated grades of B- or better in course units aggregating to at least 60 credits at SLQF levels 3 and 4 (1<sup>st</sup> and 2<sup>nd</sup> years of study), and
  - b. Accumulated grades of C or better in course units aggregating to at least 30 credits at SLQF level 5 (3<sup>rd</sup> year of study), and
  - c. Obtained a Grade Point Average of 3.00 or greater for all such course units, and
  - d. Obtained grades of B or better in course units aggregating to at least 50% of the total credits required under (a) and (b) above

- e. Completed the relevant requirements within a period of not more than three consecutive academic years
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- 78) A student who does not meet the criteria stipulated in Paragraphs 29 and 30 above, which are required to pass the First Examination for Medical Degrees, may supplicate for award of the Diploma or Higher Diploma in Health Sciences.
  - 79) A student who is not eligible for award of the MBBS degree because he / she does not meet the criteria stipulated in Paragraphs 2 (e) and (f) above, may supplicate for award of the degree of Bachelor of Health Sciences.
  - 80) A student who does not obtain the grades required for award of the Diploma in Human Biology, the Higher Diploma in Human Biology or the Bachelor of Health Sciences may re-sit the examination of the relevant course units in the next available attempt in order to improve the grade. The best grade obtainable by a student in this instance would be C. In the event a student obtains a lower grade while attempting to better the grade, such a student will be entitled to the previous grade.
  - 81) Once any of the qualifications named in paragraphs 70) to 77) have been awarded, it cannot be changed, nor can a student revert back to the MBBS degree programme, under any circumstances.
  - 82) None of the qualifications named in paragraphs 70) to 77) shall be eligible for registration with the Sri Lanka Medical Council.

**Note: the percentages given in these By-Laws refer to marks rounded off to the nearest whole number.**

Paragraphs 70 – 84 shall come into effect from October 2015 onwards.

## ANNEX 1. GRADE KEY

Range of marks	Grade	Grade Point
85-100	A+	4.00
70-84	A	4.00
65-69	A-	3.70
60-64	B+	3.30
55-59	B	3.00
50-54	B-	2.70
45-49	C+	2.30
40-44	C	2.00
35-39	C-	1.70
30-34	D+	1.30
25-29	D	1.00
00-24	E	0.00

## ANNEX 2. COURSE OUTLINE, YEARS 1 - 4

SLQF level	Course Unit	Modules	Credits
3	1	English* Foundation Skin, locomotor system & intermediary metabolism Neurosciences I Blood, lymph & immune system I	30
4	2	Cardio-respiratory system I Alimentary system I Urinary system I Endocrine system I Reproductive system I Integrated systems Behavioural Sciences I Community Health I	30
5	3	Phase I Introductory Module Cardio-respiratory system II Blood, lymph and immune system II Urinary system II Behavioural Sciences II Community Health II	30
6	4	Neurosciences II Legal Medicine & Toxicology Endocrine system II Reproductive system II Alimentary system II Skin & locomotor system II	29
	5	Behavioural Sciences, Mental Health & Ethics	5
	6	Community Health	8

\*non-GPA module



## Examination Rules

1. **Attendance:** Candidates shall be in attendance outside the examination hall at least 15 minutes before the commencement of each paper, but shall not enter the hall until they are requested to do so by the Supervisor.
2. **Seating:** On admission to the hall a candidate shall occupy the seat allotted to him and shall not change it except on the specific instructions of the Supervisor.
3. **Admission to hall:** No candidate shall be admitted to the examination hall for any reason whatsoever after the expiry of half-an-hour from the commencement of the examination. In the clinical examinations, candidates shall not be admitted to the examination hall after commencement of the examination.
4. **Record books:** A candidate shall have his Student Record Book and the Admission Card with him in the examination hall on every occasion he presents himself for a paper. His candidature is liable to be cancelled if he does not produce the Record Book.
5. **Items that should not be brought into the exam hall:** No candidate shall have on his person or in his clothes, or on the Admission Card, timetable or Record Book, any notes, signs or formulae etc. Books, notes, parcels, handbags etc. which a candidate has brought with him should be kept at a place indicated by the Supervisor / Invigilator.
6. **Declaration of articles in possession:** A candidate may be required by the Supervisor to declare any item in his possession or person.
7. **Copying:** No candidate shall copy or attempt to copy from the script of another candidate. Nor shall any candidate help another candidate.
8. **Articles candidates can bring:** Candidates shall bring their own pens, erasers, pencils etc., which they have been instructed to bring.
9. **University property:** All materials supplied, whether used or unused, shall be left behind on the desk and not removed from the examination hall.

10. **Index number:** Every candidate shall enter his Index Number on the Answer Book and on every continuation paper. He shall also enter all necessary particulars as indicated on the cover of the Answer Book. A candidate who inserts on his script an Index Number other than his own is liable to be considered as having attempted to cheat. A script that bears no Index Number or an Index Number which cannot be identified, is liable to be rejected. No candidate shall write his name or any other identifying mark on the answer script.
11. **Rough work:** All calculations and rough work shall be done only on paper supplied for the examination and left behind on the table.
12. **Conduct:** Every candidate shall conduct himself in the examination hall and its precincts so as not to cause disturbance or inconvenience to the Supervisor or his Staff or to other candidates. In entering and leaving the hall, he shall conduct himself as quietly as possible. A candidate is liable to be excluded from the examination hall for disorderly conduct.
13. **Stopping work:** Candidates shall stop work promptly when ordered to do so by the Supervisor / Invigilator.
14. **Silence:** Absolute silence shall be maintained in the examination hall and its precincts. The attention of the Supervisor / Invigilator shall be drawn by the candidate by raising his hand from where he is seated.
15. **Cancellation / postponement:** If circumstances arise which in the opinion of the Supervisor render the cancellation or postponement of the examination necessary, he shall stop the examination, collect the scripts already written and then report the matter as soon as possible to the Asst. Registrar / Dean.
16. **Withdrawal:** Every candidate who registers for an examination shall be deemed to have sat the examination unless he/she submits a Medical Certificate prior to the commencement of the examination. The Medical Certificate should be from a Government Medical Practitioner.

17. **Eligibility for classes:** A student who withdraws or absents from the examination shall not be eligible for classes at the next examination unless the Senate decides otherwise.
18. **Eligibility to continue to sit:** No student shall sit an examination, if he has exhausted the number of attempts that he is allowed to sit that particular examination, unless he is granted permission to do so by the Senate. In the event that a student has to submit medical certificates for the postponement of a scheduled attempt at an examination on more than **one** (01) occasion, the student will have to appear before a Board appointed by the Faculty, before being permitted to sit for the examination. The recommendation of the Board shall be then submitted to the Faculty Board for ratification. The decision of the Faculty Board will be final. Each such period of exemption shall be considered on the basis of individual merit by the Faculty.
19. **Appeals regarding Examination Results**  
Students will be informed of their grade in each subject at each main examination one week before the formal release of the results. During this week they will be permitted to make appeals regarding their results to the relevant department. Appeals will not be entertained on academic grounds, and as such, examination papers will not be corrected. Appeals will only be considered on grounds of administrative error, and will be entertained for a period of 2 working days after notification of results. A non refundable administrative fee of hundred rupees will be charged for each subject that is rechecked.

Dealing with the appeal will consist of the following;

- 1.1 A check to ensure that the aggregate mark of each examiner has been correctly recorded.
- 1.2 A check to ensure that the aggregate mark of each examiner was correctly presented to the Board of Examiners at their meeting to determine results.
- 1.3 A check to ensure that the mark considered by the Board was in accordance with the agreed marking classification guidelines for the examination in question.
- 1.4 A check to ensure that the notified results are in accordance with the marks awarded by the Board of Examiners.

## **ADMINISTRATIVE UNITS IN THE FACULTY**

### **Office of the Dean:**

Administrative and financial functions pertaining to the Medical Faculty as a whole are handled by this office, which is in two sections: the Senior Assistant Registrar (SAR)'s Office and the Senior Assistant Bursar (SAB)'s Office.

**The SAR's office** handles the following matters related to undergraduate students:

- Administration and maintenance of student hostels, canteens, common rooms, and the photocopying service.
- Organisation of Student Council elections and other activities.
- Obtaining permission for activities organized by other student societies such as film shows, lectures, seminars, plays etc.
- Arranging time tables and schedules, and registering students for examinations
- Arranging transport for student's clinical appointments and approved extra-curricular activities
- Liaising with the Student Welfare and Academic branches of the University of Kelaniya for any other matters relating to students.
- General supervision and monitoring and the security personnel and the cleaning service personnel of the faculty.
- Procurement of services (processing of contracts and initiation of payments).
- Repair and maintenance of equipment.
- Convening of Faculty Board, Management Committee, Board of Study for Center for Distance and Continuous Learning and Students' Social Welfare and Admission Committee.
- Payment of Mahapola Scholarships and Bursaries for students.
- Issuance of concessionary season tickets for students.
- Processing of renewal of visa applications.

- All maintenance activities of the faculty.
- Monitoring of filling of vacancies in non-academic grades.
- Facilitating disciplinary procedures (academic staff, non-academic staff and students).
- Initiatives for payment for electricity, water, telephone, lubricants and newspapers.
- Monitoring of attendance of non-academic staff and leave control.
- Maintenance of records of the properties of the faculty.
- Survey on annual inventory of assets
- Handling audit queries.
- Issue of duplicate students' identity cards.
- Implementation of decisions of Faculty Board and Dean of the faculty.

**The Senior Assistant Bursar's office** deals with all financial matters in the Faculty of Medicine. All payments to students are made through this office. All goods are procured and payments of the faculty are made through this office.

## ACADEMIC DEPARTMENTS & UNITS

## Department of Anatomy

## Academic Staff

Dr R Hasan - Senior Lecturer I (Head)  
MBBS (NCMC), Ph.D. (Ruhuna)

Prof LSS Salgado      **- Professor & Chair**  
MBBS (Ceyl.), M.Phil (C'bo)

**Dr AL Karunanayake - Senior Lecturer I**  
*MBBS (NCMC), DM (Kel'ya), DOH & S (C'bo), Dip Tox. (C'bo),  
 FSS (Hyderabad), D.Sp.Med. (C'bo), Dip.In Coun. (IPS)*

**Dr KA Salvin - Senior Lecturer II**  
MBBS (Ruhuna), MD (Ophthalmology) (C'bo), FRCS (Glasgow)

Dr EDPS Fernando - **Senior Lecturer II**  
*MBBS (C'bo), MRCGP (Int.), M.Phil (Kel'ya), DFM (C'bo)*

**Dr RMSL Ranaweera - Senior Lecturer II**  
*BSc (J' pura), PG.Dip.Arch (Kel'ya), Ph.D. (Bangkok)*

**Dr V Abeysuriya - Senior Lecturer II**  
*MBBS (J'pura), M.Phil (Kel'ya), MD (Surgery) (C'bo), MRCS (UK)*

Dr Padmapani Padeniya - **Senior Lecturer II**  
*MBBS (Pera), MSc in Clinical Genetics*

Dr SASR Siriwardana - **Senior Lecturer II**  
(MBBS) (Kelaniya), MD (Radiology) (C'bo)

The Department of Anatomy undertakes the training of undergraduate medical students in their preclinical years. The preclinical training incorporates an integrated programme of teaching involving all three preclinical departments. The teaching curriculum is based on a module system which was introduced in the year 2004. This new module system incorporates a horizontally and vertically integrated system of teaching aimed at training these students to take up the final MBBS and also embark on post graduate studies. Students are afforded a comprehensive knowledge in applied and clinical anatomy, tissue morphology and embryology. Also the Department of Anatomy undertakes the

training of undergraduate BSc (Speech and Hearing Sciences) students.

The department has an ultramodern dissection hall and a virtual laboratory. The department also has a modern museum of dissected, preserved and mounted specimens. These mounted specimens enable students to study three dimensional views of gross anatomy specimens. The academic staff of the department apart from undertaking student teaching, are also involved in various research fields such as gastroenterology, osteology, sports medicine, human embryology, and reproductive endocrinology. In addition the department undertakes supervision of postgraduate students working for M.Phil, DM and PhD Degrees

## **Department of Biochemistry & Clinical Chemistry**

### **Academic Staff**

Dr BP Galhena - **Senior Lecturer I (Head)**  
*BDS (Perad'ya), M.Phil (Perad'ya), Ph.D. (Kel'ya)*

Dr S Chackrewarthy - **Senior Lecturer I**  
*BSc (Hon) (Kel'ya), Ph.D. (Glasgow), M.I.Chem.C.*

Dr KADC Gunasekara - **Senior Lecturer I**  
*MBBS (Ruhuna), Ph.D. (Nagasaki)*

Dr PS Perera - **Senior Lecturer II**  
*BSc (C'bo), M.Phil (SJP), Ph.D (Kel'ya)*

Dr CW Subasinghe - **Senior Lecturer II**  
*BSc (Hon)(C'bo), Ph.D (Mich'State). Post Doctoral Fellow (John D.Dingell VA Medical Center,MI,USA)*

Dr PMTB Wickramasinghe - **Senior Lecturer II**  
*BSc.(C'bo), Ph.D.(Arizona)*

Dr YS Wijayasinghe - **Senior Lecturer II**  
*BSc(SJP) MSc(C'bo), PhD (Toledo , USA)*

The Department of Biochemistry and Clinical Chemistry is mainly involved in the teaching of Biochemistry, Clinical Chemistry & Nutrition to pre-clinical medical undergraduates, nurses, public Health, DDS inspectors and postgraduate students. In addition to providing our students with strong core training in biochemical sciences, the Department provides ample opportunities for

undergraduate and graduate students who wish to pursue research. Research programmes leading to MPhil and PhD degrees are offered by the Department under the supervision of the academic staff. Their research interests encompass Clinical Chemistry, Enzymology, immunology, Pharmacology of Medical Plants and Traditional Medicines, Molecular Biology, Cancer Genetics & Nutrition areas.

Further, Department provides diagnostics laboratory services for outpatients.

## **Department of Disability Studies**

### **Academic Staff**

Dr SP Sumanasena **- Senior Lecturer I (Head)**  
*MBBS (C'bo), DCH (C'bo), MSc (London), MD (C'bo), MRCPCH (UK)*

Dr S Hettiarachchi **- Senior Lecturer II**  
*BA (Hons) (Kel'ya), MSc (UK), MSc (Oxon), MA (UK), PhD (UK)*

Dr NA Muttiah **- Senior Lecturer II**  
*BSc (B'lore) MSc (US) PhD (US)*

Ms LD Ileperuma **- Lecturer (Probationary)**  
*BSc (SLPA) (M'lore)*

Ms EI Perera **- Lecturer (Probationary)**  
*BSc (SLT) (Kel'ya), BA (C'bo)*

Ms ADS Atapattu-Bakmeewewa **- Lecturer (Probationary)**  
*BSc (BASLP) (M'lore), MSc (UK)*

Ms LKE Chathurika **- Lecturer (Probationary)**  
*BSc (SHS) (Kel'ya)*

Ms BN Jayasena **- Lecturer (Probationary)**  
*BASLP (Shetty)*

Ms LBTC Lokubalasuriya **- Lecturer (Probationary)**  
*BSc (SHS) (Kel'ya)*

Ms PDM Nonis **- Lecturer (Probationary)**  
*BSc (SHS) (Kel'ya)*

Ms ASF Shakeela **- Lecturer (Probationary)**  
*BSc (SHS) (Kel'ya), Diploma in Counselling (NISD)*



Ms DD Siriwardhana - **Lecturer (Probationary)**  
*BSc (Special) (Health Promotion) (RUSL)*

Ms G Sivasubramaniam - **Lecturer (Probationary)**  
*BSc (SLT) (Kel'ya)*

Ms I Dharmarathna - **Lecturer (Probationary)**  
*BSc (SHS) (Kel'ya)*

Ms TM Wijesinghe - **Lecturer (Probationary)**  
*BSc (Hon) (C'bo), BSc (SLT) (Kel'ya), MSc (USA)*

The Department of Disability Studies (DDS) was started as the Disability Studies Unit (DSU) in 1993 under a collaborative agreement between the University of Kelaniya and the University of Uppsala, Sweden. In June 1995, the University Grants Commission approved the DSU as a regular unit of the Faculty of Medicine, University of Kelaniya. In 2008, it was upgraded to a department in the Medical Faculty. The objective of the DDS is to promote services for people with disabilities through education, research and information dissemination.

The DDS maintains a Disability Resource Center with over 800 books, a selection of videos and slides in disability related areas and has published a number of training manuals and books in Sinhala and Tamil, in collaboration with UNICEF and the Ministry of Social Services.

From 1998, the DDS commenced a Diploma programme in Speech and Language Therapy in collaboration with the Institute of Child Health, University College London and the Great Ormond Street Hospital. To date over 60 Speech and Language Therapists have qualified from the Ministry of Health. The Department then offered a Diploma to Degree (BSc in Speech & Language Therapy) upgrade programme in collaboration with the University's Centre for Distance and Continuing Education. From 2008, the Department conducts a 4-year BSc (Speech & Hearing Sciences) for internal students admitted directly by the UGC. This four year degree course qualifies students to specialize in either Speech and Language Therapy or Audiology on completion of the course. The degree programme is accredited by the Ceylon Medical College Council (CMCC) and the Sri Lanka Medical Council (SLMC). Graduates work either as Speech and Language Therapists or Audiologists.

The DDS also runs speech and language therapy clinics for the public. It provides assessments, diagnosis and intervention programmes for children and adults with communication or swallowing difficulties. These difficulties can be due to developmental delay, learning disabilities, social communication disorders (e.g.: -Autism), cleft lip and palate, hearing impairment, cerebral palsy, voice, dysfluency, motor speech disorders, aphasia and other language disorders, conditions related to neurological disorders and dysphagia. The programmes include caregiver training, home intervention programmes, liaising with schools and school programmes, and conducting awareness programmes regarding disability issues through campaigns, exhibitions, literature, workshops and presentations for the public.

With the commencement of the BSc (SHS) degree programme, the Department of Disability Studies established an Audiology laboratory at the Faculty of Medicine in January 2009 in collaboration with the Sunflower Village, Mulleriyawa. The services available at the Audiology clinic are related to issues of persons with hearing difficulties, including the diagnosis and provision of appropriate intervention programmes. The assessment, diagnostic and intervention process involves carrying out Audiological evaluations (PTA), Audiological diagnosis, appropriate recommendations and referral, counseling of patients and their families, providing appropriate amplification (hearing aids + ear moulds), intervention programmes, aided testing and follow up. Hearing aid distribution has been initiated in collaboration with the Sunflower Village, Mulleriyawa, to be distributed to clients who are referred to the clinics conducted by the DDS, based on the economic status of a family.

In addition, in collaboration with the Department of Psychiatry, the DDS has been running a multidisciplinary team (MDT) clinic in the past few years. The MDT clinic provides services for children with neurodevelopmental disorders by a team of professionals from several departments of the Faculty of Medicine including speech and language therapists, psychiatrists, paediatrician, psychologist, physiotherapist and occupational therapist. This clinic caters to children with a multitude of developmental needs including children with developmental delay, autism spectrum disorder, cerebral palsy, intellectual disabilities, and specific learning disorders. The services offered through this clinic include paediatric psychiatric, speech and language, gross motor, gait, hand function,

developmental, feeding, IQ, psychological and learning assessments, regular training and therapy for feeding disorders, learning disorders, communication and behaviour disorders and early intervention. Children undergo initial assessments by each relevant member of the team at presentation and are then directed for specific regular therapies as required. This clinic conducts the Bayley Infant and Toddler and Autism Diagnostic and Observation Schedule assessments.

Over the last two years, the DDS has also commenced two additional services: Early Intervention and Development Surveillance clinic and a paediatric feeding disorders clinic. The Early Intervention and Development Surveillance clinic offers services to children aged 0- 5 years. The newborn infants at risk of developmental delay, and infants and toddlers with features of early developmental concerns are commonly seen.

All children undergo rigorous paediatric clinical assessment and developmental assessment. Bayley Infant and Toddler assessments are carried out on at risk infants to monitor developmental attainments and to detect any deviations on a regular basis. Early intervention is offered through the other clinics conducted in our department specially the multi- disciplinary clinic and the speech and language therapy clinics. The children are also referred to clinical geneticist services and audiology services for further assessments and interventions. This clinic also closely collaborates with pre-schools and other community based services to ensure best care for the infants and toddlers attending the clinic. Infant surveillance services are also extended to the North Colombo Teaching Hospital at the at risk infant clinic attached to the Professorial Paediatric clinic as a joint collaboration with the Department of Paediatrics of our University.

The paediatric feeding disorders clinic offers assessment and intervention for children experiencing eating, drinking or swallowing difficulties due to a range of potential causes. It aims to provide holistic management, in consultation, where possible, with physiotherapists, paediatricians, occupational therapists and other relevant professionals together with the children and their families.

## Department of Family Medicine

## Academic Staff

Prof Kumara Mendis

### - Cadre chair and Head

*MBBS (C'bo), DFM (C'bo), MD Family Medicine (C'bo), MSc Medical Informatics (Netherlands), FCGP (SL), FACHI (Australia)*

Dr RPJC Ramanayake

**- Senior Lecturer I**

MBBS (C'bo), DFM (C'bo), MD (C'bo)

Dr AHW de Silva

**- Lecturer**

*MBBS (C'bo), PG Dip. in Venerology (C'bo), DFM (C'bo) MRCGP[INT]*

Dr DP Perera

**- Lecturer**

*MBBS (Kel),DipMedEdu (Col),DFM(Col),MRCGP[INT]*

Dr SS Withana

**- Lecturer (Probationary)**

MBBS (Kel)

Family medicine is the medical specialty, which provides comprehensive, continuing, health care in both preventive and curative contexts for the individual and family. It is a specialty in breadth that integrates the biological, clinical and behavioural sciences.

The University Family Medicine Clinic established in the Faculty in 1996, provides a medical care service to the community and is also a teaching centre for undergraduates and postgraduates. The clinic, the first such centre to be set up in a Sri Lankan university, has had from its inception, a closed circuit TV system to function as a skills training laboratory for the teaching and learning of communication skills through video-taped replay of consultations. The University Family Medicine Clinic is recognized by the Postgraduate Institute of Medicine for the training of postgraduates for the Diploma in Family Medicine and the MD in Family Medicine.

The undergraduate teaching of the Department is through the Behavioural Sciences and Ethics strand. In addition to didactic lectures and small group teaching learning activities conducted in the third year students have a clinical rotation of one month at the University Family Medicine Clinic in the fourth year. During this period the student are exposed to primary care therapeutics and a range of common problems encountered in family practice. Consultation skills and communication skills are taught through

observation, role play and feedback. Group discussions are conducted on common clinical problems.

### Assessments

1. CA 2: One hour SEQ paper consisting of 4 questions based on family Medicine lectures Small group discussions held at the end on the third year
2. CA 3; Half an hour SEQ paper consisting of 2 questions based on clinical problem solving in family practice held at the end of the clinical rotation
3. Unit 5 Examination:
  - i. Five true/false MCQs and four best of five MCQs
  - ii. Two SEQs and two essay questions based on family medicine principles and clinical problem solving in family practice
  - iii. Three 6 minutes OSCE stations on communication skills and four three minutes OSCE stations on family practice patient management

## Department of Forensic Medicine

### Academic Staff

Dr P Paranitharan **- Senior Lecturer I (Head)**  
*MBBS (Jaffna), DLM (C'bo), MD (For Med C'bo)*

Prof PAS Edirisinghe **- Professor**  
*MBBS (NCMC), MD (For Med, C'bo), DLM (C'bo), DMJ (Lon.), MFFLM (UK)*

Dr WNS Perera **- Senior Lecturer I**  
*MBBS (Kel'ya), DLM (C'bo), MD (For Med C'bo)*

Dr IDG Kitulwatte **- Senior Lecturer I**  
*MBBS (C'bo), DLM (C'bo), MD (For Med C'bo)*

Forensic Medicine is a branch of medicine that deals with the application of principles of medicine, medical knowledge and expertise in the administration of justice. It is a clinical speciality that involves the examination of the dead and living. Department of Forensic Medicine provides its clinical services through the Colombo

North Teaching Hospital Ragama, based at the Office of the Judicial Medical Officer, Ragama. The subject will be taught in the 4<sup>th</sup> year of undergraduate training through Legal Medicine & Toxicology module and the clinical appointment is conducted by the academic staff and the extended faculty at Teaching Hospital, Ragama. Other than undergraduate teaching the academic staff is also involved in postgraduate training of Diploma in Legal medicine (DLM) and Doctorate of Medicine (MD) in Forensic Medicine, and the Department is an approved training centre of the Post-Graduate Institute of Medicine, University of Colombo.

Academics attached to the Department also give their services to the Judiciary as experts in Forensic Medicine, in conduction of death investigations and Medico-Legal Examination of victims of assaults, sexual abuse, child abuse, road traffic accident, alleged torture etc. They give expert evidence in High Courts in Sri Lanka as well as provide assistance to the Ministry of Justice when required.

The Department of Forensic Medicine conducts research in many areas. Homicides, Child and adolescent sexual abuse, elder abuse, cause of death, alleged torture, Road Traffic Accidents, Compensation, effects of alcohol on drivers, forensic histopathology are a few to name.

## **Department of Medicine**

### **Academic Staff**

Dr UK Ranawaka **- Senior Lecturer II (Head)**  
*MBBS (NCMC), MD (C'bo), MRCP (UK), FRCP (London), FAAN, FAHA, FCCP*

Prof AP de Silva **- Professor**  
*MBBS (NCMC), MD (C'bo), MSc (Oxon), MRCP (UK), FRCP (Lond), FCCP (SL)*

Vidyajyothi Prof HJ de Silva **- Senior Professor & Chair**  
*MBBS, MD(C'bo), DPhil(Oxford), MRCP(UK), FRCP(Lond), FRCP(Edin), FCCP, FNAS(SL), FRACP (Hon), FRCP (Thailand), Hon. FCGP(SL), FCCP*

Prof AP Premawardhane **- Professor**  
*MBBS (Perad'ya), MD (C'bo), MRCP(UK), FRCP(Lond), FCCP(SL), FNAS(SL), D Phil (Oxon)*

Prof BAH Premaratna **- Professor**  
*MBBS (C'bo), MD (C'bo), FRCP (Glasg), FCCP*

Dr PMYI Tilakaratna - **Senior Lecturer I**  
*MBBS (C'bo), MD (C'bo), MRCP (UK)*

Dr ST de Silva - **Senior Lecturer II**  
*MBBS(C'bo), MD(C'bo), MRCP(lon), FRCP(UK)*

Dr SF Jayamanna - **Senior Lecturer II**  
*MBBS(C'bo), MD(C'bo), MRCP(UK), FCCP*

Dr MA Niriella - **Senior Lecturer II**  
*MBBS(Col). MD(Col), MRCP(Lon) MRCP(UK)*

The main teaching commitments are in relation to the faculty's MBBS course during which students study the subjects Medicine for three years, from the third year onwards. The Department is also involved in training postgraduate students of the Postgraduate Institute of Medicine preparing for the MD (Medicine) and specialist Board Certification. Academic staff also take part in the teaching programmes of the BSc in Speech and Hearing Sciences.

The Department has a strong commitment to research. The special areas of interest are Tropical Medicine, Gastroenterology & Hepatology, Neurology, Haematology, Infectious Diseases, Nephrology and Pulmonology. The Deptment has three research and service oriented laboratories: one dedicated to Gastroenterological Physiology, with thalassemia facilities for upper and lower GI endoscopy, Oesophageal manometry, and oesophageal and gastric motility studies, another dedicated to Clinical Neurophysiology with facilities for electromyography, nerve conduction studies, and EEG and third laboratory dealing with Haemoglobin Disorders. Research papers originating from this Department have been published regularly in prestigious international and national journals. Staff members have contributed chapters to specialist monographs from well-established international publishers, and function as editors of medical books and journals.

The academic staffs in the Department provide their services in a honorary capacity to the Professorial Medical Unit (Wards 21 and 22) of the Colombo North Teaching Hospital. A 6 bed stroke unit attached to the University medical unit. Patient dedicated stroke care for patient, and is a Centre for stroke research.

## Department of Medical Microbiology

### Academic Staff

Dr WRPLI Wijesooriya - **Senior Lecturer II (Head)**  
*MBBS (Kel'ya), Dip. Med. Micro. (C'bo), MD (C'bo), M Phil (Kel'ya)*

Dr KVHKK Perera - **Senior Lecturer I**  
*MBBS (Perad'ya), Dip. Med. Micro. (C'bo), MD (C'bo), M Phil (Kel'ya), PhD (Hong Kong)*

Prof NP Sunil Chandra - **Senior Professor & Chair**  
*B.V.Sc. (Sri Lanka), M.Phil (Perad'ya), PhD (Cambridge)*

Dr RRDP Perera - **Senior Lecturer I**  
*B.V.Sc. (Cey), Dip. Med. Micro (C'bo), M.Phil (C'bo)*

Dr CN Badanasinghe - **Senior Lecturer II**  
*MBBS (Sri J'pura), Dip. Med. Micro (C'bo), MD(C'bo)*

The major teaching commitment of the department is to the Microbiology course for the third year undergraduate medical students. The Department has a large, well-equipped teaching laboratory with about 50 bench places. The department is recognized as a training site for the Diploma and MD in Medical Microbiology programmes conducted by the PGIM, University of Colombo, and senior academic staff members are resource persons in these courses.

In addition, the department conducts the Medical Microbiology Module for the students following the B.Sc. (Special) degree programme in Microbiology at the Faculty of Science, University of Kelaniya.

There is on-going research on influenza, antimicrobial resistance, viral gastroenteritis association of fungal infections with chronic urticaria and community Acquired MRSA.

The department maintains research contacts with other laboratories in the UK, Hong-Kong, Australia and the USA.

The Department provides a diagnostic microbiology service for patients admitted to the University Units of the Colombo North Teaching Hospital and also assists in infection control programmes, especially in monitoring hospital acquired infections.



## Department of Obstetrics & Gynaecology

### Academic Staff

Prof PS Wijesinghe - **Senior Professor & Chair (Head)**

*MBBS (Perad'ya), MS (C'bo), FRCOG (UK), FCOG (SL)*

Dr BA de Silva - **Senior Lecturer II**

*MBBS (NCMC), MD (C'bo), FRCA (UK)*

Dr WS Fernando - **Senior Lecturer II**

*MBBS (Ruhuna), MS (C'bo), MRCP (Ireland), MRCOG (UK)*

Dr GS Padumadasa - **Senior Lecturer II**

*MBBS (C'bo), MD (C'bo), MRCOG (UK)*

Dr HMRP Herath - **Senior Lecturer II**

*MBBS (C'bo), MD (C'bo) MRCOG (UK)*

Mr DMAB Dissanayake - **Senior Lecturer II**

*BSc (S.J'pura).Dip in Mgt & Ad, M.Phil (Kel'ya)*

Dr MBC Motha - **Senior Lecturer II**

*MBBS (C'bo), MD (C'bo), MRCP (UK)*

Dr Tiran Dias - **Senior Lecturer II**

*MBBS(C'bo), MD(C'bo), MRCOG(UK)*

Dr TS Palihawadana - **Senior Lecturer II**

*MB BS(C'bo), MRCOG(UK), MSc in Clin Embryo(Leeds), MPhil*

The main responsibility of the department is the Obstetrics & Gynaecology course for the undergraduate medical students, which runs through the modules of phase 1, phase 2 and in the final year of the curriculum. In addition to this the department is also involved in postgraduate training on behalf of the postgraduate institute of medicine (PGIM) of the University of Colombo. Academic staff also teaches in the certificate course in Community Health conducted by the tropical medicine unit of the faculty, diploma in reproductive health program conducted by the PGIM and at the Nurses' training school at Kandana.

The research interests of the department include areas such as fetal medicine, infertility, gynaecological oncology, violence against

women, medical diseases in pregnancy, urogynaecology, safe motherhood and perinatal care.

The department operates an infertility laboratory, which provides investigatory and therapeutic services and a well woman care service with latest screening and curative facilities.

The academic staff of the department renders their services in a honorary capacity to ward 24 & 25 of the Colombo North Teaching Hospital, and outpatient antenatal, gynaecology, infertility, well woman and family planning clinics.

## **Department of Paediatrics**

### **Academic Staff**

Dr EGDS Rajindrajith - **Senior Lecturer II (Head)**  
*MBBS (Ruhuna), MD (C'bo), FRCPCH (UK), PhD(Amsterdam)*

Prof KAW Karunasekara - **Professor**  
*MBBS (Ruhuna), DCH(C'bo), MD(C'bo), M.Med.Sc. (Otago), FRCP (UK)*

Prof AD Fernando - **Associate Professor**  
*MBBS (C'bo), MD (C'bo), FRCP (UK), FSLCP (SL)*

Dr KPJ Perera - **Senior Lecturer I**  
*MBBS (C'bo), DCH (C'bo), MD (C'bo), MRCPCH (UK)*

Dr YC Jayasinghe - **Senior Lecturer II**  
*MBBS (Sri J'pura), DCH (C'bo), MD (C'bo), MRCPCH (UK)*

Dr DSG Mettananda - **Lecturer**  
*MBBS (C'bo), DCH (C'bo), MD (C'bo), DPhil(Oxon)*

Dr TRWW Rodrigo - **Lecturer**  
*MBBS (C'bo), DCH (C'bo), MRCPCH (UK), MD (C'bo), IBCLC*

Dr CMP Fernando - **Lecturer (probationary)**  
*MBBS (Kel'ya), DCH(C'bo), MD(C'bo)*

This department is responsible for teaching to Paediatrics to medical undergraduates. It includes lectures, tutorials and clinical appointments. There are two clinical appointments of one month each during third and fourth year and final year professorial clinical appointment of two months. History taking, examination and management of sick children and neonates are taught during the clinical appointments. In addition, this department provides lectures

for students of Department of Disability Studies. Clinical training of registrars and senior registrars for postgraduate studies in MD Paediatrics, training doctors for Diploma in Child Health, supervision of thesis for M.Phil and D.Phils. and elective appointments for medical students of foreign universities.

The Paediatric unit comprises a ward contains 68 beds and Special Care Baby Unit which can accommodate 15 neonates. In addition to the services provided for in-ward patients there are five outpatient clinics and one high risk baby clinic in North Colombo Teaching hospital, Ragama per week.

The Unit contributes to Final MBBS examination paediatric component and makes contributions to the third and fourth year exams and exam in the Department of Disability Studies. In addition, the Department contributes to MD Paediatrics and Diploma in Child Health conducted by the Postgraduate Institute of Medicine, University of Colombo.

Furthermore academic staff members participate as examiners at the final MBBS clinical examination in Paediatrics in other medical faculties in the country.

The special research interests amongst academics in the department include child abuse and neglect, gastro intestinal/respiratory tract/endocrine system disorders, childhood growth, neonatology and haematology.

## **Department of Parasitology**

### **Academic Staff**

Prof NK Gunawardena - **Professor (Head)**  
*MBBS (Ruhuna), PhD (Nagasaki)*

Prof NR de Silva - **Senior Professor & Chair  
Dean, Faculty of Medicine**  
*MBBS (C'bo), MSc (Lond.), MD (C'bo), FNASSL*

Prof W Abeyewickreme - **Professor**  
*BSc (S. J'pura), MSc (B'kok), DAP & E (Kuala Lumpur), PhD (L'pool),*

Prof TGAN Chandrasena - **Associate Professor**  
*MBBS (C'bo), Dip.Micro.(C'bo), MD(C'bo)*

Dr GPS Gunarathna **- Lecturer (probationary)**  
*MBBS(Ruhuna), Dip.Med.Mico(C'bo), MD.Med.microbiology(C'bo)*

Dr PADHN Gunathilaka **- Senior Lecturer**  
*BSc(Hons), PhD(Kel'ya), MIBiol(Sri Lanka)*

Dr NH Manamperi **- Lecturer (probationary)**  
*MBBS (Kel'ya), Dip. in Med.Micro. (C'bo)*

The Dept. conducts an intensive course in Medical Parasitology for undergraduate students of the Medical Faculty, and shorter courses for B.Sc. (special degree) students and M.Sc. (Food & Nutrition) students of the Science Faculty. In addition, staff are involved in teaching on the Diploma in Medical Microbiology course conducted by the Postgraduate Institute of Medicine. The Dept is also a recognized training centre in Parasitology for the PGIM's MD (Microbiology and Parasitology) programmes. The Department has a well-equipped student laboratory (which is able to accommodate up to 50 students at a time) with about 70 compound microscopes, and a trinocular microscope with a CCTV camera and video projection facilities.

The current research interests of the academic staff include all aspects of intestinal helminth infections and lymphatic filariasis, the entomological aspects of dengue and leishmaniasis. The Dept also undertake routine investigation of patients warded in the CNTH for malaria parasites, examination of stool samples for intestinal parasites and investigation of patients for bancroftian filariasis. Identification of helminths, reptiles and arthropods of medical interest is carried out on special request.

## **Department of Pathology**

### **Academic Staff**

Dr BAGG Mahendra **- Senior Lecturer II (Head)**  
*MBBS (C'bo), Dip. Path (C'bo), MD Hist.Path (C'bo)*

Prof SJ de S Hewavisenthi **- Professor & Chair**  
*MBBS (C'bo), Dip. Path (C'bo), MD Hist.Path (C'bo)*

Dr RMUS Ratnayake **- Senior Lecturer I**  
*MBBS (C'bo), Dip. Path (C'bo), MD Hist.Path (C'bo)*



## Department of Pharmacology

### Academic Staff

Dr SAF Kurukulasuriya - **Senior Lecturer II (Head)**  
*MBBS (C'bo), MD (C'bo)*

**Prof HA de Silva** - **Professor**  
*MBBS (NCMC), DPhil (Oxon), FRCP (Lon)*

Dr AS Dassanayake - **Senior Lecturer II**  
*MBBS (C'bo), MD (C'bo), FCCP*

Dr CD Ranasinha - **Senior Lecturer II**  
*BSc (Pharmacology, Lon), MBBS (Lon), MRCP (UK), DTM&H (Lon), FCCP*

Dr KCD Mettananda - **Senior Lecturer II**  
*MBBS (Perad'iya), MD (C'bo), MRCP(UK)*

Dr WANV Luke - **Lecturer (probationary)**  
*MBBS (C'bo)*

The Department started teaching activities in 1993, two years after the Faculty of Medicine was established in the University of Kelaniya. The major focus of the department continues to be the teaching of undergraduate pharmacology. This takes place in the third and fourth years of the academic curriculum. With the introduction of the new curriculum, pharmacology teaching is now conducted by the department's teachers devolved to a series of system-specific modules wherein relevant pharmacology teaching is incorporated into the understanding of individual systems and diseases. This follows an introductory module where some more general pharmacological topics are dealt with along side other general principles.

In 2005 the Faculty established the Clinical Trials Unit to foster more clinical trial work within and beyond the faculty. This unit is currently housed in the Department of Pharmacology. It is undertaking a number of collaborative trials both nationally and internationally.

The research interests of the department include clinical trial methodology, ageing and dementia, asthma and lung infection, alcohol-induced liver injury and portal hypertension stroke trials and poisoning and toxicology. In addition the department conducts interdepartmental clinical research, in particular with the Department of Medicine and the Colombo North Teaching Hospital.

## Department of Physiology

### Academic Staff

Dr K Medagoda - **Senior Lecturer II (Head)**  
*MBBS (C'bo), MD (C'bo), MRCP (UK)*

Prof NM Devanarayana - **Professor**  
*MBBS (Ruhuna), DM (Kel'ya)*

Dr DC de Silva - **Senior Lecturer I**  
*MBBS (Aberd), MBChB, MRCP (UK)*

Dr S Selliah - **Senior Lecturer I**  
*MBBS (NCMC), MPhil (C'bo)*

Dr WADL Amarasiri - **Senior Lecturer I**  
*MBBS (Kel'ya), PhD (Kel'ya)*

Dr YM de Silva - **Senior Lecturer II**  
*MBBS (NCMC), MPhil (P'ya), Cert. Med.Ed. (Dundee)*

Dr DTD Warnakulasuriya - **Lecturer (Probationary)**  
*MBBS (Kel'ya)*

Dr DC Kottahachchi - **Lecturer (Probationary)**  
*MBBS (Kel'ya)*

Currently the main focus of the Dept. is the undergraduate MBBS Physiology course. In addition the department is actively involved in the B.Sc in Speech & Hearing Sciences Programme. Attempts are being made to move away from traditional didactic lecture towards a more student-centred approach. As an initial step, many of the lectures in physiology are available for review by students in the 'Intra-net' at the Computer Centre. Within the financial constraints, new equipment has been added to the teaching laboratory, which now has facilities for students to get hands-on experience in the use of ECG machines, audiometry, spirometry, ophthalmoscopes etc. The senior staff also contribute regularly to teaching and examining in several post-graduate programmes.

The main research interests of the Dept. are gastroenterology, respiratory physiology, genetics, and allergy & immunology. The state of the art Clinical Physiology laboratory in the department continues to provide expert diagnostic services in Applied Gastrointestinal Physiology and spirometry.

## Department of Psychiatry

### Academic Staff

Dr. MUPK Peris - **Senior Lecturer II (Head)**  
*MBBS (C'bo), MDPsych (C'bo), MRCPsych (UK), FSLCPsych*

Dr SS Williams - **Senior Lecturer II**  
*MBBS (Jaffna), MPhil (Kel'ya), MDPsych (C'bo), MRCPsych (UK)*

Prof KALA Kuruppuarachchi - **Senior Professor & Chair**  
*MBBS (Perad'ya), MDPsych (C'bo), FRCPsych (UK), FSLCOP*

Dr. A Hapangama - **Senior Lecturer II**  
*MBBS (Kel'ya), MDPsych (C'bo)*

Dr.CA Wijesinghe - **Lecturer**  
*MBBS (C'bo), MD (C'bo)Psych, MRCPsych(UK)*

Dr. MDA Rodrigo - **Lecturer**  
*MBBS (C'bo), MD.Psych (C'bo), MRC.Psych (UK), FRANZCP(Aus), Adv. Cert. Psychotherapies (Aus)*

Dr WMML Chandradasa - **Lecturer (Probationary)**  
*MBBS (C'bo), MD Psych (C'bo)*

The Department of Psychiatry conducts the teaching programme in mental illness and psychological aspects of medicine in the undergraduate medical curriculum. The department conducts its teaching from the first year in the behavioural sciences stream. The teaching of Psychiatry proper starts in the third year; with an 8 week full time appointment in the final year.

The department of Psychiatry is an established training centre for the Postgraduate degree in Psychiatry as well as for short courses in Psychiatry for Postgraduate degrees in general medicine and family medicine conducted by the Post Graduate institute of Medicine / University of Colombo.

The department of Psychiatry also conducts lectures for the students who are undergoing the degree programme in Speech and Hearing sciences.

Research conducted by the department includes those on mental disorders due to substances, childhood mental illness, deliberate



self harm and suicide, culture and mental illness and near death experiences.

The department also has a wide-ranging service component. The staff are honorary consultants for the North Colombo Teaching hospital. The Department conducts three outpatient clinics per week at the Colombo North Teaching Hospital and runs in-patient units at ward 28 and 29 of the same hospital. Specialised services are offered in child, liaison, old age, substance misuse and psychotherapy.

## **Department of Public Health**

### **Academic Staff**

Dr KTAA Kasturiratne - **Senior Lecturer II (Head)**  
*MBBS (Kel'ya), MSc (C'bo), MD (C'bo)*

Prof AR Wickremasinghe - **Professor & Chair**  
*MBBS (C'bo), MPH (Tulane), PhD (Tulane), PhD (LSUMC)*

Prof A Pathmeswaran - **Professor**  
*MBBS (C'bo), MSc (C'bo), MD (C'bo)*

Prof PL Jayawardana - **Professor**  
*MBBS (Ceyl.), MSc (C'bo), MD (C'bo)*

Prof HTCS Abeysena - **Professor**  
*MBBS (C'bo), MSc (C'bo), MD (C'bo), BA (Rome), MA (Kel'ya), MA (C'bo), PgDip.Stat(J'Pura)*

Dr B Kumarendran - **Lecturer**  
*MBBS (Jaffna), MSc (C'bo), MD (C'bo)*

Dr KMN Perera - **Lecturer (probationary)**  
*MBBS (Kel'ya), MSc (C'bo), MD (C'bo)*

Dr LA Athauda - **Lecturer (probationary)**  
*MBBS (J'pura)*

The Department is involved in teaching Public Health/Community Medicine to the medical undergraduates. The Subject is taught as a strand running over the first four years of the course. Unique features of the strand are inclusion of a student research project and community based learning where the students take a lead role

in promoting health and wellbeing of members in an assigned community, over a period of one year.

In addition, the Department also functions as training unit for the postgraduates enrolled in the Doctor of Medicine (MD) in Community Medicine training programme of the Postgraduate Institute of Medicine. Staff members undertake supervision of postgraduate research in health and allied fields.

The first ever Master of Public Health (MPH) course in Sri Lanka is conducted by the Department. The staff members contribute to teaching in other degree programmes conducted by the faculty such as Bachelor of Science (BSc) in Speech and Hearing Sciences and Bachelor of Science (BSc) in Occupational Therapy and Bachelor of Science in Physiotherapy.

Research interests of the Department are diverse and include areas such as non-communicable diseases, reproductive health, occupational health, tropical diseases, health economics and health care quality.

## **Department of Surgery**

### **Academic Staff**

Prof FR Fernando                    - **Professor & Chair (Head)**  
*MBBS (C'bo), MS (C'bo), FRCS (Ed), FRCS (Eng), FCRPS (Pakistan), FASI (India), PhD (C'bo)*

Dr SK Kumara                        - **Senior Lecturer II**  
*MBBS (C'bo), MS (C'bo), FRCS (Ed)*

Dr CHA Liyanage                    - **Senior Lecturer II**  
*MBBS (C'bo), MPhil (ANU), MS(C'bo), MRCS (Eng)*

Dr MB Gunetilleke                    - **Senior Lecturer II**  
*MBBS (C'bo), MS (Anaes) (C'bo), FRCA (UK)*

Dr R Siriwardana                    - **Senior Lecturer II**  
*MBBS (C'bo), MS(C'bo), MRCS(Eng)*

Dr PC Chandrasinghe                - **Lecturer (Probationary)**  
*MBBS (Kelaniya), MD (c'bo), MRCS (Eng)*

In addition to training of undergraduate medical students, the Department of Surgery is also recognized as a training centre for PGIM trainees in Surgery. The Gastrointestinal Endoscopy Unit

functions jointly with the Department of Medicine and is one of the two units recognized for endoscopy training by the PGIM.

The Department of Surgery provides a clinical service to the Colombo North Teaching Hospital through Wards 19 and 20, and Outpatient Clinics are held four times a week. The technical expertise of the department includes laparoscopic surgery, diagnostic and therapeutic endoscopy, repair of anorectal sphincter injuries, surgery for inflammatory bowel disease and colonic cancer, urology and endocrine surgery.

The Department has a special interest in surgery of thyroid and parathyroid gland, other endocrine organs, breast diseases, and a large workload is undertaken in these areas too.

Major research interests of staff centre mainly on intestinal motility, anorectal manometry, constipation, colorectal cancer, inflammatory bowel disease, thyroid and parathyroid glands, breast disease and urology. The department has an excellent record of research publications, especially in the field of colorectal diseases and endocrine surgery.

## **Department of Medical Education**

### **Academic Staff**

Dr MN Chandratilake - **Senior Lecturer II (Head)**  
*MBBS (C'bo), MMed (Dundee), PhD (Dundee)*

Dr PKS Godamunne - **Senior Lecturer II**  
*BSc (Psychology) (East Lon), MA (Psychology) (Delhi), PhD (Kel'ya)*

Dr WCD Karunaratna - **Lecturer (probationary)**  
*MBBS (C'bo), MSc Biomed Informat (C'bo)*

The Department of Medical Education contributes to achieving the vision and mission of the Faculty in several ways:

- Training the academic staff on the trends and principles of Medical Education through regular seminars, workshops, etc.

The department runs short workshops on various important aspects of Medical Education, for academic staff in the

Faculty as well as for the extended Faculty as part of staff development and continuing professional development activities.

- Providing continuing guidance to the Faculty regarding curriculum, teaching-learning methods, and evaluation.

The department conducts regular evaluation of modules, strands and the programmes as a whole to identify the areas for further improvement.

- Keeping study programmes up-to-date to meet changing needs

The department explores the current trends in medical education to keep the study programmes aligned with international standards.

- Teaching undergraduate students

The department coordinates the module on personal and professional development in Professional Development and Family Practice Strand. The module aims to improve attitudes and enhance professionalism among students. The department staff is involved in teaching in different strands of learning including Professional Development and Family Practice, and Community Health Strands.

- Developing multi-media teaching material

The department holds the primary responsibility of maintaining the virtual learning environment (VLE) of the faculty and it develops multi-media teaching material with the assistance of the academic staff to provide rich learning experience for medical students. The Audio-visual Unit, which plays a major role in this regard, comes under the purview of the Department.

- Enhancing patient safety and dignity through simulation-based training of clinical skills

The Clinical Skills Centre, which comes under the purview of the department, is utilized to educate and train medical students on clinical and practical skills in a simulated environment in order to safeguard patient safety and dignity.

- Developing language skills

The English Teaching Unit, which is coming under the purview of the department, assist the development of English language skills among students enrolled in study programmes.

- Conducting and promoting educational research activities  
The department plays a pivotal role in generating and utilizing the evidence for best practices in medical education.
- Promoting, implementing and sustaining the quality assurance programmes  
The department acts as a dedicated agency within the faculty to promote and implement quality assurance concepts and monitor the progress through key performance indicators to ensure the long-term sustainability of QA system.
- Assisting patient-care  
The Psychologist in the department makes a valuable contribution to the multi-disciplinary clinic for children run by the faculty.

## **Molecular Medicine Unit**

### **Academic Staff**

Prof AAPS Manamperi - **Professor (Head)**  
*BSc (Hons), MSc (C'bo), PhD (C'bo)*

Dr GPGMD Hapugoda - **Senior Lecturer II**  
*BSc (Hons), PhD (Kelaniya)*

Prof YINS Gunawardene - **Professor**  
*BSc (Hons), MSc (C'bo), PhD (Hong Kong)*

The Molecular Medicine Unit (MMU) was established in March 2002 with the aim of providing consultancy services in Molecular Diagnosis, DNA typing and to promote research and training in Molecular Biology especially focusing on human diseases and vectors.

At present, the MMU is engaged in providing molecular diagnostic services for infectious diseases including Dengue, Chikungunya, Viral Hepatitis B, Viral Hepatitis C, Tuberculosis and Leishmaniasis. The MMU is also engaged in providing human DNA typing services for the judiciary to establish paternity in disputed paternity cases and to establish identity in forensic cases.

Since its inception, the MMU has been recognized as a training centre in providing specialized training in Molecular Biology for both undergraduate and postgraduate students. We routinely conduct national and international workshops and courses in Molecular Techniques aiming at diagnosis and prognosis of human diseases. Further, MMU currently offers several modules in Molecular Diagnosis, Laboratory Management and Molecular Therapeutics for undergraduate and postgraduate academic courses conducted by the University of Colombo, University of Sri Jayawardenapura, University of Kenaniya, University of Wayamba and the Post Graduate Institute of Medicine-University of Colombo. In addition, MMU has taken the leadership in establishing and developing technology, skills and human resources in the country by taking on capacity building and research grants in Molecular Biology and providing fellowships for students to embark on research degrees in Molecular Biology.

## **Centre for Tropical Medicine & International Health**

The CTMIH was set up in early 1999 with the objective of developing the field of Tropical Medicine in Sri Lanka, by conducting teaching and training programmes for health personnel, and developing research in this field, in collaboration with the Liverpool School of Tropical Medicine, UK. Its specific functions include the following:

- To design, develop and conduct training programmes related to tropical medicine.
- To produce training material for the above courses.
- To establish and maintain a Field Research Station for Tropical Medicine.
- To conduct and provide facilities for research in Tropical Medicine, and to make new knowledge available to policymakers.
- To co-ordinate with external agencies such as the British Council, the World Health Organisation and the LSTM in order to carry out the above.

The Centre is run by a Director (who is an academic staff member nominated by the Faculty Board), and a Board of Management which brings together staff from several Departments within the Faculty, as well as nominees from the Director-General of Health Services. In collaboration with the Liverpool School of Tropical Medicine, the Centre has developed a 3-month, fee-levying Certificate Course in

Community Health (with a special emphasis on Tropical Medicine), and a 9-month part-time course leading to a Diploma in Community Health. Both courses are meant for primary health care workers in South Asian countries. Five C.Com.H. courses have been run to date with a total of over 100 about 70 participants. The first Dip.Com.H course commenced in November 2001.

## **Clinical Skills Laboratory**

The clinical skills laboratory of the Faculty of Medicine, University of Kelaniya was established in 2002. In this lab, there are human body-like simulators available in the areas of Medicine, Paediatrics, Surgery and Gynaecology and Obstetrics.

These models are good reproductions in which the students can perform:

- Various examinations like prostate, pelvic and breast lump examinations.
- Practical sessions such as catheterization, suturing , intravenous injections, intubation of adults , neonates and Cardio Pulmonary Resuscitation, Lumbar Puncture and child delivery.

Recently staff of skills lab have also constructed some models with locally available materials. All 3<sup>rd</sup> year medical students are given training on suturing, basic life support and other clinical skills before they start clinical appointments. All 4<sup>th</sup> year medical students are given training on suturing episiotomy, basic life support and neonatal resuscitation, Lumbar Puncture and child delivery.

Final Year students also visit the skills lab during their pediatric appointment. We are also planning to conduct a basic life support course in future.

The models in the skills lab are also used for the special training programs conducted by the consultant surgeons at the North Colombo Teaching Hospital and also for the special training programs conducted by the consultants surgeons at the North Colombo Teaching Hospital and also for the Objective Structured Clinical Examination sessions held by the various clinical departments.

The lab is opened on all weekdays between 8am and 4pm. Students can visit the lab during these hours and practice on models with a prior appointment.

## The Medical Library

Mrs. CM Abeygunasekera                    **-Senior Assistant Librarian**  
*B.Sc. (Agric.) (Perad'ya), Dip Lib, MA (Lib & Inf. Std.) (Lond.), ASSLA.*

Mrs. MPLR Marasinghe                    **- Assistant Librarian**  
*B.Sc. (Sp.) (Kel'iya), MLS(Col.)*

The Medical Library of the University of Kelaniya was established in 1991, based on the foundation laid by the Library of the North Colombo Medical College. The Library's main objective is to fulfil the information needs of academic staff and students of the Faculty of Medicine by providing information resources required for the educational and research programmes of the Faculty. The total space of the second floor of the library building is allocated to Lending and Reference Collections, Main Reading Area, and the Periodicals collection. The Library is kept open on Mondays through Saturdays, except public holidays.

The monographs and textbooks collection on medical and related topics exceeds 16,500 volumes, which is accessible through the library OPAC (Online Public Access Catalogue). The current periodicals collection is mostly online which includes HINARI Database, EBSCOhost and online journals through the UGC Consortia. All online journals are accessible via the E-Journals page of the library.

In addition to the main collection, the following special collections are also available in the Library.

- **WHO Collection** – this mainly consists of monographs and technical reports published by the World Health Organisation.
- **Sri Lanka Collection** - this consists of books and reports on medical and health related topics published in Sri Lanka.
- **Medical Education Collection** – this is a collection of publications on medical education and related topics.
- **Theses Collection**- this collection includes postgraduate theses submitted to University of Kelaniya



## Library Membership

Any internal student of this faculty is eligible to be a library member. They can obtain the membership on production of their University Identity Card or the Student Record Book. All member students are entitled to borrow three books.

## Library Databases

All Library in-house databases were shifted to **Online Public Access Catalogue** (OPAC) and made available in a single platform except **MEDFAC (Publications of Faculty Academic Staff)** which is currently accessible via the **digital repository of University of Kelaniya**.

Apart from the traditional services available in the Library, the following special services are also provided to library users.

- **Reader Advisory Service** – the Library handles various user queries on information and provides proper guidance to users.
- **Inter Library Loans** – registered students and staff may use this service to obtain items that are not available in the library.
- **Photocopying** - this service is provided through a private vendor.

## User Education Programmes

A basic level student orientation programme on information skills is provided for freshman students while senior students are provided more advanced, research oriented information searching skills programme.

## Library User Guide

A detailed **User Guide** which covers all important information about the library is provided to new students at the Library Registration Desk.

## **The Medical Faculty Computer Centre**

Prof. A. Pathmeswaran - **Professor (Head)**  
*MBBS (C'bo), MSc (C'bo), MD (C'bo)*

Dr. EPDS Ediriweera - **Lecturer**  
*MBBS (Kel'ya), MSc Biostat (Perad'ya), MSc Biomed Informat (C'bo), Dip Computer System Designing (NIBM)*

D.I.K.Solangaarachchi - **System Engineer**  
*BSc. (Special) (Kel'ya), MSc (Perad'ya)*

H. Saman kumara - **Instructor in Computer Technology II**  
*BSc. (Kel'ya), MSc. (Norway) PG. Dip. IT (M'wa)*

MS.WG Hettiarachchi - **System Analyst cum Computer Programmer**  
*BSc (Kel'ya), MSc IT (C'bo)*

The computer Centre is actively involved in training students and both academic and non-academic staff in the use of computers. The Centre comprises two computer labs. The main computer lab was recently refurbished and it has newly purchased 40 Core i5 personal computers for teaching purposes. The other computer lab with 25 terminals dedicated for student activities. Computer Centre operates a Local Area Network to provide free unlimited WiFi internet service and email facility to all the students and staff. Short courses and workshops on Computer Literacy are run by the Centre, giving hands-on training to all participants. In addition, the Computer centre involves in software development and website development.

### **Eligibility to use the Computer Centre (CC)**

1. All permanent academic staff and those on secondment to the faculty.
2. All registered students of the faculty.
3. All consultants of the North Colombo Teaching Hospital who are members of the extended faculty and General Practitioners who are assigned students for the GP attachments.
4. Postgraduate students and demonstrators of the faculty.

## **Services of the CC**

1. Conducting lectures, practical, workshops and seminars for students of external and internal degree programs, postgraduate training programs, academic and non-academic staff of the Faculty and extended faculties.
2. Managing & maintaining Faculty fiber backbone
3. Providing internet facilities including open Wi-Fi services to the Faculty premises
4. Providing Kelani Mail email services for the staff and the students of the Faculty
5. Maintaining Virtual Learning Environment (VLE) platform & Student NET to facilitate e-learning activities.
6. Providing Information and Communications Technology laboratory facilities to the students and staff
7. Providing virtual laboratory facilities for students
8. Designing and developing computer and web-based systems for the Faculty
9. Facilitating research activities by providing Information Technology services and designing databases.

## **Use of the CC**

The CC should be used for academic activities.

The centre can only be used when a demonstrator, a technician or a lecturer attached to the CC is present. When a person enters the CC the logbook has to be signed with the time. When leaving the CC an entry has to be made with the time of leaving.

## **Working hours**

The centre will be open from 8.30 am to 4.15 p.m. on all working days.

## **Use of the hard disk**

Loading of any kind of personal programmes that are brought from outside is prohibited without prior approval from a demonstrator or technician. A person can have his or her research data on the hard disk, but the CC does not guarantee the protection of such data. At the end of every week (Friday afternoon) all personal data will be erased from the hard disk. Therefore keeping backup copies of your data is the user's responsibility.

## **E-Mail**

Academics and students are entitled to use this facility with a local email account.

## **Student Welfare**

### **Student Social Welfare & Admissions Committee**

This committee consists of academic staff, student representatives from each batch, and the Senior Assistant Registrar of the medical faculty. In addition to academic staff members appointed to the Committee by the Faculty Board, all student counsellors, hostel wardens and sub-wardens, and the Sports Council Advisory Board members are also *ex officio* members.

The functions of the committee include the following

- Making recommendations to the Faculty Board regarding admissions and transfer of students between this medical faculty and other faculties.
- Making recommendations to the Faculty Board regarding approval of medical certificates submitted by students
- Organisation of any activities related to student welfare
- Dealing with complaints regarding hostels and canteens

### **Director, Student Affairs, University of Kelaniya**

Dr C Abeysinghe, Dept of Economics

### **Senior Student Counsellor, Faculty of Medicine**

Dr KADC Gunasekara, Dept of Biochemistry

### **Student Counsellors, Faculty of Medicine**

Prof NK Gunawardane, Dept of Parasitology

Dr HDRC Siriwardane, Dept of Surgery

Dr WNS Perera, Dept of Forensic

Dr KMN Perera, Dept of Public Health

Dr AALK Athauda, Dept of Public Health

The duties of student counsellors are as follows:

- To enquire into complaints and queries of students and to advise them or direct them to the relevant persons
- To advise students regarding the organization and planning of trips
- To supervise the collection of monies from students within the faculty premises
- To facilitate the activities of student organisations, such as meetings with guest speakers, dramas, films, etc.
- To advise the Vice-Chancellor regarding student welfare activities

## **Student advisors**

An academic staff member is appointed as a Student Advisor for every student in the Faculty of Medicine, to help students with any academic or personal problems they may face during their stay in the Faculty. Even in the absence of any problems, students are expected to meet their Advisors at least once in three months, and inform them of their progress in the faculty. If a student finds that his / her Advisor is on long leave, he should inform the Asst Registrar, so that another Advisor may be appointed.

## **Hostels**

### **Boy's Hostels**

Warden: Dr TS Palihawadana

Full time sub-warden: Mr RM Amarathunga

<b><i>Hostel</i></b>	<b><i>No. of places</i></b>
Block C7	100
Block C4	47
Block D6	18
Block D8	12
Block D12	100

### **Girl's Hostels**

Warden: Dr PAS Edrisinghe

Full time subwarden: Ms M Nadeeka Dilrukshi Fernando

<b><i>Hostel</i></b>	<b><i>No. of places</i></b>
Block C1	24
Block D3	52
Block D5	52
Block B1	104
Block B3	100
Block B4	108
Block B5	104

## **Ketagewatta Rented Hostel - 54**

### **Hostel fees**

Admission fee to the hostels is Rs 100/=. In addition, a hall fee of Rs. 600.00 per academic year has to be paid at the beginning of each year. Except for medical reasons certified by the University Medical Officer, students are not allowed to deposit hostel fees at a reduced rate for any other reason. The hostel fees have to be paid in full from the date they have been informed of their selection for hostel accommodations. If hostel fees are not paid on the required date an additional 25% fee will be charged. Although selected for hostel accommodation students may not be taken in to the hostel until the fees are paid.

Students selected for hostel accommodation should occupy hostel rooms on the date they are informed to do so. A student who does not report to the hostel within 7 days, will be replaced by another student.

The full-time sub-warden's duties include maintaining inventories for each room, supervision of cleaning, co-ordinating maintenance of buildings, formation of hostel committees, maintenance and checking of student registers, checking on hostel security and unauthorized occupants, preventing and reporting on ragging in hostels.

### **Allocation of hostel places and rooms**

At the beginning of each academic year, student hostel committees headed by the warden are appointed for each hostel. The objectives of the students committee are to report on matters pertaining to welfare of students. Hostel rooms are allocated by the warden / sub-warden.

### **General rules and regulations for hostellers**

1. Students should not change their rooms without permission from the warden / sub-warden.
2. Hostellers should be in their rooms after 10.00 p.m. They also should respect the privacy of others.
3. No hosteller should behave in the room or outside in a manner that disturbs other students.
4. Accommodation should not be provided to any outsider without permission from the warden / sub-warden.
5. Items in one room should not be moved to another without permission from the warden / sub-warden.

6. Furniture should not be left out in the balcony or outside the room exposed to sun and / or rain.
7. When a room is occupied by more than one student, each of these students should be individually, and as a group, responsible for the protection of property in the room. Students will be charged for loss, damage, or destruction of property.
8. Students should not keep any items (such as knives, forks, spoons, furniture etc.,) in his room other than items given to him.
9. Keys and other items given to hostellers should be returned to the warden / sub-warden when they leave rooms for vacation or on completion of their stay in the hostel.
10. Supply of keys to replace lost keys and repair of broken keys are the responsibility of the hosteller.
11. Students are not allowed to enter hostels during vacation.
12. No money should be given to minor employees.

### **Electrical Appliances**

1. Students are not allowed to keep kettles, electric cookers, irons, table lamps etc. without prior permission from the warden / sub-warden.
2. The warden / sub-warden should get such items inspected by a University Electrician before granting permission for their use.

### **Ragging**

1. Ragging in any form is prohibited in hostels.
2. Collection of money from new entrants and participating or organizing any activity to harass the new entrants is not permitted.

### **Unions / Association**

1. Students should not form any unions or associations in the hostels without permission from the warden or sub-wardens.
2. No speaker should be invited for lectures or meetings to the hostels without prior permission from the warden or sub-wardens.

### **Visitors**

1. If required, a warden / sub-warden has the authority to order a visitor to leave the hostel at any time.
2. Female students should not allow any male visitors to enter their rooms without permission from the Warden/ sub-warden. Male students should not allow any female visitors to enter their rooms without permission from the warden/sub-warden.

### **Clothes & cleaning of clothes**

1. Clothes should not be spread on windows, doors, balconies or on furniture for drying.
2. Clothes should not be left soaking in basins in bath-rooms.

### **Lights**

1. Lights should be switched off when leaving rooms / bathrooms / toilets.
2. Lights in corridors, study rooms, common rooms should be switched off at 10.00 p.m.

### **Garbage**

1. Garbage should not be disposed only in to bins provided, should not be left in corridors or thrown to the garden.
2. Students should keep their rooms clean. The waste swept from rooms should be kept outside the door for workers to collect, before 8.00 a.m. A broom will be provided for each room and the hostellers should clean their own rooms.

### **Silence**

1. Silence should prevail in the hostels from 9.30 p.m. to 6.00 a.m.
2. Use of the common TV & radio, and any musical instruments is not allowed from 9.30 p.m. to 6.00 a.m.

All students who accept hostel accommodation must follow the instructions given above. Wardens and sub-wardens have the authority to take disciplinary action against students who do not follow these rules and regulations.

### **Canteens & Common rooms**

There are two **canteens** and a milk bar in the faculty premises. These are kept open throughout the year (including vacations) except during Sinhala and Tamil New Year, and the Christmas holidays. All three meals, soft drinks, and short-eats can be purchased from these canteens at a subsidized rate.

### **Common room**

Facilities are available for students in the same area as the main canteen in the Faculty. Students may use this for resting or for engaging in indoor recreation activities during their free time. Photocopying facilities for students are available in a stall next to the main canteen in the faculty.



## Sports

### Facilities for sports

The Faculty has a gymnasium in which facilities for indoor games such as Badminton, Table Tennis, Carom, Chess and Weight Lifting are available. This gymnasium is open for students' and staff use from 10.00 a.m. to 7.00 p.m. on weekdays and 12.00 noon to 7.00 p.m. on Saturdays.

Two small playgrounds have been constructed in the faculty premises for softball cricket.

A court complex has been constructed with tennis, basketball, volleyball and netball courts in the boys' hostel compound. This complex is with lighting facilities.

Arrangements are made to provide transport for students participating in swimming practices at the Sugathadasa Swimming Pool in Colombo. Students are also encouraged to go to Kelaniya and get involved in sports activities at the main campus.

Organization of sports activities at the main Campus, Kelaniya is done by its Physical Education Unit. Sports conducted by the Physical Education Unit include Volleyball, Badminton, Rugby football, Basketball, Athletics, Netball, Hockey, Elie, Swimming, Tennis, Table Tennis, Cricket, Wrestling, Weight lifting, Football, Judo, Carrom, Chess and Taekwondo. Medical students also can participate in organized training programmes in these events. Every year a special programme is conducted to introduce sports activities to new entrants. All new entrants are requested to fill in New Entrant's Sports Information form and submit it to the Director, Physical Education Unit.

Sports Programmes organized by the Physical Education Unit, Dalugama, Kelaniya are as follows:

- |                 |   |
|-----------------|---|
| <b>Stage 01</b> | Programmes for New Entrants<br>Sports Orientation Programmes for Freshers<br>Freshers Meet  |
| <b>Stage 02</b> | Inter-Faculty Competitions<br>Fresher's and open competitions<br>Establishment of coaching camps and<br>implementation of coaching camp programmes<br>Competitions between sports teams of other<br>Universities and recognized Sports Club |
| <b>Stage 03</b> | Annual assessments and Colours Awards   |

In addition to above programmes, participation of University Teams for National Competitions conducted by National Sports Clubs, Inter-University and World University sports programme, and providing opportunities to represent Universities in National Coaching Camps are also arranged by Unit.

Information and instructions of sports programmes and trainings can be obtained from the Physical Education Unit in the students Centre Building. Facilities for sports in the main campus are being expanded and at present two playgrounds, a gymnasium, Fitness Investigation Unit and a complete Exercise Unit are being run under the supervision of the Physical Education Unit.

### **Sports Activities during Orientation Programme for new entrants**

A session is held for the new entrants to introduce them the facilities for sports and sports activities in the faculty and at the main University premises at Kelaniya.

This is followed by an inter-group sports competition for Carrom, Badminton, Chess, Cricket and Table Tennis held in the Faculty during the orientation programme, with the assistance of the Physical Education Unit, University of Kelaniya.

### **Cultural Centre**

The Cultural centre will be opened for the student activities from 10.00 a.m. to 6.00 p.m. every Monday, Tuesday and Wednesday. The students may take part the following activities

1. Photography
2. Drama and
3. Music

Organization and all the activities relevant to the above programmes are done by the Lecturers of the Main Cultural Centre, University of Kelaniya.

### **Annual Events**

An annual staff-student sports day is held at the faculty playgrounds. The games held during this day include Cricket and Netball matches between Staff and Students.

Students may take part in Inter-faculty and Inter-University Sports Competitions co-ordinated by the Physical Education Unit of the University of Kelaniya.

## **Sports Council Advisory Board members**

Dr Anuradhini Kasthuriratne	Dept of Public Health
Dr A L Karunanayake	Dept of Anatomy
Dr.EDPS.Fernando	Dept of Anatomy

## **Health care and Medical Certificates**

### **Physical illness**

Students can obtain treatment for minor ailments from the University Medical Officer who is stationed at the University of Kelaniya. In event of an emergency they could contact any Consultant who works at the Colombo North Teaching Hospital.

### **Psychiatric illness**

Students could meet a medical officer working in Ward 28 and get a referral to the out patient clinic of Prof. K.A.L.A. Kuruppuarachchi (clinic day Saturday 8.00 a.m.) or Dr. M.U.P.K. Peiris (clinic day every Tuesday at 2.00 p.m. except 3<sup>rd</sup> Friday of the month) or Dr.Lalin Fernando (clinic days Monday 2.00 p.m. and Thursday 2.00 p.m.). Once a referral has been given they should visit the clinic on the date specified and meet the relevant consultant. The students who visit the clinic for the first time should bring a cardboard file. The students are also free to visit the psychiatry ward and talk to any doctor working there in the event of an emergency.

The Faculty's academic staff too could be seen at the Psychiatry Department by prior appointment. (Appointments to meet them could be made by meeting the relevant doctors concerned or by contacting the receptionist who works at the Family Health Clinic.) All students who need medication will be requested to register at the out patient psychiatry clinic of the Colombo North Teaching Hospital.

### **Medical certificates**

Only medical certificates issued by consultants will be accepted for official purposes. All such medical certificates will have to be channelled through the University Medical Officer to the relevant Head of Department. Medical certificates will have to be forwarded within two months of the said period of illness. No medical certificates will be issued to cover periods of illness prior to the initial consultation. (Further details are available in the section on examination regulations)

## Financial assistance

1. **Mahapola scholarships.** This scheme was started by the Ministry of Trade and Commerce. Scholarships are awarded by the said Ministry on the basis of A'level marks, the students district of admission, and family income. Medical students are given a monthly minimum of **Rs 2500.00** for a period of five years. Payments are made through the Peoples Bank, Ragama.
2. **Bursaries** maximum of **Rs 2000.00** per month are awarded to students in need of financial assistance, but are not in receipt of Mahapola scholarships.
3. **Kelaniya Medical Students Benefit Fund:** The objective of this fund is to provide repayable loans for a maximum of 60 monthly instalments until completion of the final MBBS examination, to medical students who need financial assistance. The Fund Committee advertises for applications each year. All MBBS students registered in the Faculty of Medicine, University of Kelaniya are entitled to apply.
4. For students who have won **Year 5 and Year 8 scholarships** in school, but are not in receipt of any other financial assistance, these scholarships can be extended to cover the undergraduate period as well. Students who wish to make use of this scheme should inform the AR in writing.
5. **The Major Prasanna Ramanayake Memorial Scholarships:** These are awarded once in five years to two first year students in memory of Major Ramanayake who died in action in Jaffna in 1998. The first recipients were selected in 1999.
6. **The Sri Lankan Doctor's Association in the UK scholarships:** 2 scholarships are awarded each year
7. **The DJ Wijeratne Foundation Scholarship:** This is awarded to a student from the Galle District, with the highest A'level aggregate mark, and entering any Faculty of the University of Kelaniya.
8. **The Vice-Chancellor's Fund:** This was set up with the intention of giving students assistance in the event of sudden financial distress. A student is entitled to this form of assistance only once during his / her undergraduate period. Assistance is given in the form of a loan, on the recommendation of the Senior Student Counsellor, and the Committee of Deans. The relevant application forms can be obtained from the Student Welfare Branch of the University.

Note: The Vice-Chancellor of the University can suspend a scholarship or award temporarily or permanently in the following instances:

- Inadequate attendance at tutorials, practicals or clinicals.
- Disorderly behaviour inside or outside the university premises
- Award of another scholarship
- Non-registration for the academic year
- Obtaining employment.

Presentation of a valid University identity card is essential in claiming payments made under any form of financial assistance. The SAR's office should be notified immediately if a student ID is lost.

## **Student societies and associations**

### **Student Council**

Activities include

- Ensuring the student's rights are protected.
- Hostel facilities, maintenance, cleanliness are supervised.
- Sports and recreation facilities both in the faculty and hostels are maintained and improved.
- Canteen facilities improved, maintained and cleanliness and standards supervised.
- Establishing telephone booths and communication facilities for students.

The Student's Council works closely with the Student Social Welfare Committee and the Dean in order to carry out the above activities.

The Students Council also carries out the following:

- Organization of health promotion exhibitions
- Health camps organized in the border villages and remote areas
- Building of an outdoor theatre

### **Arts Society**

Activities include

- Organising an annual Arts festival "*Nim Thera*".
- Popular films screened in the Faculty auditorium
- Popular stage plays are presented at the Faculty.
- Publication of "Prabathaya" - a biannual newsletter
- Presenting various creations at Arts festivals held in other Universities

### **The Buddhist Students Society, the Catholic Students Society & the Muslim Students Society**

These organize various forms of religious activities.

### **Kelaniya Medical Faculty Photography Society (KMFPS)**

The KMFPS was established in 2015 with the primary objective of discovering and developing the creative ability of students, non-academics, academics and alumni of the Faculty of Medicine, through photography. It provides a common platform to improve the artistic and scientific photography skills, while encouraging and fostering cultural and social harmony through working together. The membership consists of two categories: members and associate members. Membership is open to any student registered for a course conducted at the Faculty of Medicine, University of Kelaniya and further details can be obtained from the Cultural Center of the Faculty of Medicine, University of Kelaniya.

The society plans to hold an annual photographic exhibition and currently the 'best photograph of the week' is displayed on the faculty electronic notice board.

### **Green Society**

The Green Society, which was established in 2015, brings together students, staff and faculty members who are interested in various green activities. Its objectives are:

- i. To promote and enhance the knowledge, attitudes and skills required to adopt green concept and environment friendly lifestyle.
- ii. To identify/develop/adopt new mechanisms to sustain current green practices in the faculty of medicine.
- iii. To encourage and foster cultural and social harmony through green concept.

As an integral aspect of the University's vision of becoming a center of excellence in creating and distributing knowledge for sustainable development, the University of Kelaniya was declared the first national green university in Sri Lanka in December, 2014. The main objective of this initiative is to adopt green practices in all aspects of universities activities and to promote and popularize environmental conservation and sustainable development among university community.

The Faculty of Medicine, University of Kelaniya at Ragama premises has been pro-active in adopting green practices in to various aspects of its routine operations.

### **Registration of new societies**

1. Students who wish to form a new society or association should first seek advice from the Senior Assistant Registrar or a Student Counsellor.
2. After publicizing their intention of forming a new society in the Faculty, the students concerned should then hold a public meeting and adopt a constitution for the society. A copy of a model constitution may be obtained from the Student Welfare Branch of the University.
3. All such duly constituted societies must be registered with the SAR's office.
4. Only registered students of the University of Kelaniya are entitled to be members of such societies.
5. Student societies cannot be affiliated in any way to any society outside the University.
6. Societies that have not been registered with the SAR's office have no right to carry out any activities within the university premises.

### **Organisation of meetings, festivals, film shows, etc**

Student societies that wish to hold any of the above activities should first obtain an application form from the SAR's office. Written permission to hold such activities will be granted after obtaining the permission of the Dean and Student Counsellors of the Faculty.

### **Displaying notices**

The following rules must be observed in displaying notices and posters.

1. All notices and posters must be approved and signed by a Student Counsellor, and displayed only in areas designated for the purpose.
2. A notice should not be displayed for more than 10 days.

### **Collecting funds**

1. Every student society must have a Senior Treasurer from among the academic staff and a Junior Treasurer from among the student body.
2. Funds for a society may be collected through membership fees and other fund-raising activities.
3. Every society must have a bank account in its own name. All payments must be made by voucher, after approval of the Snr Treasurer.
4. A statement of income and expenditure must be presented to the Dean's Office by the Senior Treasurer within one week of the end of each academic year.

## **Career Guidance / Internship placements**

The Kelaniya Medical Faculty conducts a Career guidance program annually for those who have just pass their final MBBS examination in August this year. The programme includes a brief introduction to the different specialities in medicine given by senior medical personnel in each of these fields followed by discussions and questions by the students.

All graduates who successfully complete their final MBBS examination obtain internship placements according to a merit list compiled by the University Grants Commission.

## **The Kelaniya Medical School Alumni Association**

The Kelaniya Medical School Alumni Association (KEMSAA), which was formed in 1999, has in its membership, graduates and academic staff of the Faculty of Medicine, University of Kelaniya.

The objectives of KEMSAA are as follows:

1. To encourage, foster and promote close relations between the Faculty and its alumni and among the alumni themselves.
2. To promote in the alumni body, an interest in the affairs and well-being of the Faculty.
3. To serve as the medium through which alumni may support and advance the pursuit of academic excellence at the Faculty.
4. To guide and assist alumni who have recently completed their course of study in the Faculty, in obtaining employment and in engaging in productive pursuits useful to the society.

All medical graduates of the University of Kelaniya are welcome to join KEMSAA.

Correspondence should be directed to  
General Secretary – KEMSAA  
C/o Faculty of Medicine  
Talagolla Road  
Ragama  
Sri Lanka



## Faculty Song

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