



SOUTH ASIAN INSTITUTE OF TECHNOLOGY AND MEDICINE

Sri Lanka

Faculty of Medicine

**STUDENT HANDBOOK
2013/2014**

TABLE OF CONTENTS

CONTENTS	PAGE NO
01. INTRODUCTION	01
02. MESSAGE FROM THE CHAIRMAN	02
03. MESSAGE FROM THE VICE CHANCELLOR	04
04. ADMINISTRATION	06
05. OUR GOAL	07
06. GRADUATE PROFILE	08
07. THE COURSE	09 - 10
08. THE FACULTY	11 - 15
09. ASSESSMENT PROCEDURE AND EXAMINATIONS	16 - 21
9.1 GENERAL	
9.2 ASSESSMENTS	
9.3 ASSESSMENT TOOLS	
9.4 GRADES AND CRITERIA	
9.5 ELIGIBILITY CRITERIA	
9.6 MEDICAL CERTIFICATES	
9.7 PROCEDURE TO BE FOLLOWED WHEN A STUDENT IS ABSENT FOR EXAMINATIONS AND CLINICAL ROTATIONS, ON MEDICAL GROUNDS	
10. EXAMINATION BY LAWS	22 - 25
11. INTRODUCTION TO THE DEPARTMENTS/UNITS/SUBJECTS	26 - 43
12. RULES FOR THE MEDICAL STUDENTS	44
13. THE LIBRARY	45 - 48
14. STUDENT DISCIPLINARY COMMITTEE	49
15. STUDENT RESEARCH	50
16. THE NFTH HOSPITAL	51
17. STUDENT LIFE AT SAIMT	52 - 54

01. INTRODUCTION

South Asian Institute of Technology and Management (SAITM) started the Medical Faculty in 2009 in collaboration with Nizhny Novgorod State Medical Academy (NNSMA) Russian Federation with the approval and registration of the Ministry of Public Health of the Russian Federation and in 2011 changed its name to South Asian Institute of Technology and Medicine (SAITM).

Nizhny Novgorod State Medical Academy is ranked among the first ten leading medical institutions in Russia. It is acknowledged by the WHO, GMC(UK), AMC (AUS.), ECFMG(USA). The Sri Lanka Medical Council (SLMC) granted recognition in 1998 for the Medical degree awarded by the NNSMA. The graduate medical course leads to a degree - Doctor of Medicine MD, of the Nizhny Novgorod State Medical Academy, Russia.

Simultaneously SAITM also applied for degree awarding status from the University Grants Commission. As a result SAITM has been elevated to a degree awarding institution by a gazette notifications No. 1721/19 dated August 30, 2011 and No. 1829/36 dated September 26, 2013. SAITM will award the MBBS degree.

As clinical training of medical students is vital for a medical programme the Dr. Neville Fernando Teaching Hospital (NFTH) was established for the clinical training of medical students of the South Asian Institute of Technology and Medicine (SAITM). NFTH commenced functioning in 2013.

The Units in the hospital include Professorial units and Non professorial units in Medicine, Surgery, Obstetrics & Gynaecology, Paediatrics, Psychiatry, and Specialized units in Ophthalmology, Cardiology, Radiology, Sexually transmitted diseases, Orthopaedics, Otolaryngology, Rheumatology, Neurology, Dermatology.

The layout of the hospital wards and all other units are designed with the view of delivering maximum learning opportunity for the students. Facilities for relaying live images of the surgery from the operating theatre to the lecture rooms by theatre lamps with inbuilt cameras allows communication and interaction between the surgeon and students

02. MESSAGE FROM THE CHAIRMAN

South Asian Institute of Technology and Medicine (SAITM) is the first non-state sector 'Green Campus' in Sri Lanka. As the Chairman, I am very happy that I have been able to successfully establish a non-state sector campus in Sri Lanka to teach Medicine, Engineering, ICT and Media and Business



Management. This is the first time that the non-state sector has been able to enter the field of higher education in Medicine in Sri Lanka successfully. It is my belief that the certificates and degrees alone do not make education complete. Our intention is to produce educated young men and women with character through SAITM. We aim to provide affordable higher education opportunities to many prospective students.

At present there are four faculties at SAITM, Faculties of Medicine, Engineering, Management & Finance and ICT & Media. Our foreign University partners include Nizhny Novgorod State Medical Academy - Russian Federation, Asian Institute of Technology (AIT) -Bangkok, Thailand, Royal Melbourne Institute of Technology Melbourne (RMIT University), Victoria, Australia and the Buckinghamshire New University - UK. The Deans and Heads of the four faculties are highly qualified senior academics with experience at State Universities in Sri Lanka. The academic staff consists of professors and lecturers recruited conforming to guidelines of the University Grants Commission of Sri Lanka (UGC).

At SAITM students are encouraged to use our modern library consisting of a large number of latest books and CDs covering a vast area of subjects. I have provided a state of the art auditorium with a seating capacity of over 400. There are more facilities such as fully equipped laboratories, canteen providing healthy and nourishing food, a dedicated student lounge of 10,000 Sq Ft, study areas and transportation facilities for students to and from Malabe.

In accordance with the Green Concept, I have taken many steps to preserve the environment in and around the campus and I request the students to live in harmony with the environment and nature. In these vast campus buildings, built for you, I have made it environmental friendly to get the maximum flow of air and light into the buildings, and minimum usage of electricity. The landscaped gardens of the campus premises consist of many foliage and fruit trees.

This modern institution is my gift to the nation which has given me much - good parents, a good education, a good life and health. I urge the present students to make use of these modern facilities to improve their knowledge and be men and women of character and I invite prospective students to visit our campus so that they can assess the quality of education and other facilities provided by SAIMT.

I wish for students to make their stay at SAIMT fruitful.

Professor Neville Fernando

Chairman

South Asian Institute of Technology & Medicine

03. MESSAGE FROM THE VICE CHANCELLOR

It is with great pleasure that I warmly welcome all students who have gained entry to South Asian Institute of Technology and Medicine (SAITM).



SAITM was established in the year 2009 by Professor Neville Fernando who is the Founder and the Chairman of the Institution. At present SAITM has four faculties namely Medicine, Engineering, ICT & Media, and Management.

Medical Students who enter SAITM are fortunate as this is the first non state Institution in Sri Lanka recognized by the University Grants Commission as a degree awarding Institution.

We are extremely thankful to the Government of Sri Lanka for being receptive to the needs of the younger generation and supporting the establishment of SAITM.

SAITM is open to any Sri Lankan or foreign students who have obtained the necessary qualifications prescribed by the state to enter a University and wish to pursue their undergraduate studies.

The medical students of SAITM will receive clinical training under Consultants at the Dr. Neville Fernando Sri Lanka Russia Friendship Teaching Hospital (NFTH) which is the largest private sector hospital in Sri Lanka.

SAITM believes in education with character and in this endeavor provides facilities for extracurricular activities such as Rugby, Basket Ball, Tennis, Cricket etc.

I am extremely happy to state that academics, and medical professionals - retired, on short term leave, on sabbatical leave and on permanent basis have offered their services to develop the curriculum and training of our students. With the corporation that is given by the state, I am certain that our attempt at producing quality graduates will be a great success.

I wish our students at SAIM life full of joy with academic excellence and service to the community.

Prof. Malkanthi Chandrasekara.

Vice-Chancellor - 2014

South Asian Institute of Technology and Medicine

04. ADMINISTRATION

Chairman	Prof. Neville Fernando
Vice Chancellor	Prof. Malkanthi Chandrasekara
Senior Academic Consultant	Prof. P.S.M. Gunaratne
Registrar	Mrs. W.H.R.Hussain
Dean Medicine	Prof. Shanti Goonewardene
Director Medicine	Dr. Sameera Senaratne
Proctor	Dr. A.A.P.Keerthi
Library Consultant	Ms. Shirani Dharmarathne
Bursar	Mr. A. P. Galhena

Student contact

General	0115748442/3
Dean	ext. 241
Proctor	ext. 216
Student Counsellor	ext. 235
Medical centre	ext. 238
Faculty Office	ext. 239
Registrar	ext. 104
Registrar's Office	ext. 237

Vision & Mission

***To produce doctors with
necessary knowledge,
skills and attitudes to
enable them to play a
positive role in contributing to
the health needs of the
individual as well as
the community;
to help them
realize and develop
their own potential and to be
their own person;
to impart qualities of compassion,
care and competency.***

06. GRADUATE PROFILE

The students will acquire

Knowledge:

- in fundamental sciences to understand the normal structure and function of the human body and the pathological basis of disease and apply this knowledge in clinical practice.
- of the health care system in the country of practice and to be competent in using it effectively.

Skills:

- to obtain relevant information, perform a clinical examination, investigate appropriately, perform essential clinical procedures, treat the patient and discuss the further management plan with the patient and relatives and care givers.
- to appreciate the importance of getting informed consent and encourage the patients to play an active role in their own care.
- to apply their knowledge in the effective and humanitarian care of patients.
- to play an important role as an active member of the health care team and give leadership when necessary.
- to effectively communicate with patients and their relatives for better management of the patient considering their psychological and social aspects.
- to play a continuous and active role in educating and promoting behaviour that lead to prevention of disease or its complications.

Attitude (to develop his or her character):

- to maintain high moral and ethical standards of practice.
- to be courteous and respectful to all patients and maintain confidentiality in the doctor -patient relationship.
- to be courteous and respectful to staff and be able to work in a multi disciplinary team.
- to practice within his or her competency and seek expert advice or refer when necessary.
- to be a life-long learner and update their knowledge and skills
- to uphold the best medical practices, professionally, technically, legally and ethically as a medical practitioner.

07. THE COURSE

Duration

Course : 05 years (full time programme)

Semesters : 10 (02 semesters per year)

Academic calendar

1st semester: September to January (20 weeks)

(Vacation: 6 weeks includes Exams and Electives)

2nd semester: March to July (20 weeks)

(Vacation: 6 weeks includes Exams and Electives)

QUALIFICATION OFFERED:

The undergraduate medical course leads to a degree:

Bachelor of Medicine and Bachelor of Surgery (MBBS)

The information in this publication was correct at the time of printing.

The University reserves the right to make changes as appropriate.

Copyright 2014

MBBS Programme										
YEARS	1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	5 TH YEAR					
DISCIPLINE	SEMESTERS									
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
PREMEDICAL SCIENCES										
Biology and Ecology										
Medical and Biological Physics										
Medical Informatics										
Philosophy (<i>only for MD students</i>)										
Latin Language and Medical Terminology										
Foreign Language (Russian)										
History of Medicine (<i>only for MD students</i>)										
PRECLINICAL SCIENCES										
Anatomy										
Histology and Embryology										
Physiology										
Biochemistry										
Psychology										
PARACLINICAL SCIENCES										
Microbiology and Immunology										
Pathology										
Pharmacology										
Parasitology										
Community Medicine										
Forensic Medicine										
CLINICAL SCIENCES										
Clinical Introductory Programme Propaedeutics										
Inter-departmental Integrating programme (i-dip)										
Internal Medicine										
Surgery										
Paediatrics										
Obstetrics & Gynaecology										
Psychiatry										
SUB SPECIALITIES										
Anesthesiology										
Orthopedics										
Cardiology										
Dermatology										
Family Medicine										
Neurology										
Oncology										
Ophthalmology										
Otorhinology										
Rheumatology										
Radiology										
Sexually Transmitted Diseases										
Transfusion Medicine										
Clinical Pathology										
OTHERS										
Physical Training										

FROM 06TH
SEMESTER

08. THE FACULTY

PREMEDICAL SCIENCES

Biology and Ecology

Prof. Preethi Udagama - *BSc, MSc, PhD, FIBiol, (SL)-Ecology*
Associate Professor Elena Mikhainova - *MD (Rus), PhD (Rus) **
Ms.Nirosha J.Pathirana - *BSc., Msc*
Ms. Ishani Gammanaliyanage - *Bsc., Msc.*
Mr. H.M.J.C.B.Herath - *BSc. Special in Applied Biology (Hon)*
Ms. Anushika Herath - *BSc. Applied Biology (Hon) (On study leave for PhD)*

Medical Physics and Biophysics

Prof. Sirimevan Widyasekara - *Bsc (Col), PhD (Uppsala)*
Prof. Monich Victor Anatolievich - *MD (Rus), PhD (Rus) **
Dr. Duran Ranawana - *MD (Rus)*

Philosophy

Prof. Izuthkin Dmitry Anatolyteyevich*

Dr. Nuwan De Zoysa - *MD (Rus) (on Study Leave)*

Latin Language and Medical Terminology

Prof. Zhirkova Olga Gennadievna - *MD (Rus), PhD (Rus) **
Ms. Anastasia Valerievna Karobkova - *PhD**
Dr. Wulakshi Wijekoon - *MD (Rus), Dac, Msc*

Foreign Language (Russian)

Dr. Wulakshi Wijekoon - *MD(Rus), Dac, PhD*
Dr. Sumedha Gangani - *MD (Rus)*
Dr. Hiran Warnakulasuriya - *MD (Rus)*
Dr. Ashan Ranasinghe - *MD (Rus) (on Study Leave)*

History of Medicine

Prof. Izutkin Dmitry Anatolyevich *MD (Rus), PhD (Rus)**

PRECLINICAL SCIENCES

Anatomy, Histology, Embryology, Cytology

Prof. Shanti Goonewardene - *MBBS (Cey),PhD (Cantab)*
Prof. Malkanthi Chandrasekara - *BDS(Cey),PhD (Newcastle,UK)*
Prof. Irina Gennadievna Stelnikova - *MD (Rus), PhD (Rus) **
Associate Prof. Radaev Alexandr Mikchailovich - *MD (Rus), PhD (Rus) **
Dr. Nandalal Gunaratne - *MBBS, MS, FRCS(UK.)*
Dr. Waruna Shantha - *MD (USSR), MRCS (Ireland)*
Dr. Manesha Perera - *MBBS (Manipal)*
Ms. Chamalika Weerakoon - *Bsc (Human Biology)*
Ms. Udeshika Yapa Bandara *Bsc - (Human Biology)*
Ms. Pradeepa Basnayake *Bsc. - (Human Biology)*

Dr. Vasana Ketagoda - MBBS(Bangladesh)
 Dr. Prajani Gunawardhena - MBBS (Pakistan)
 Dr. Chathuri D. Ranasinghe - MBBS
 Dr. Dimuthu Karunaratne - MBBS (Bangladesh)
 Dr. Bagya Perera - MBBS (Manipal)
 Dr. Darshana de Silva - MBBS
 Dr. Kanchana Subasinghe - MD (Rus) (**on study leave**)

Physiology

Prof. Anura Weerasinghe - MBBS, MD, FRCP, DCH, DTM&H, FCCP, PhD
 Dr. Sumedha Gangani - MD(Rus)
 Dr. D.M. Chathuri Senanayake - MBBS (China)
 Dr. Suran Kuruppu - MBBS (Col)
 Dr. Nuwan De Zoysa - MD(Rus) (**on leave**)

Biochemistry(General Chemistry, Bioorganic Chemistry and Biochemistry)

Prof. Jayantha Welihinda - Bsc (Hon), PhD, M.I.Chem.C, C.Chem, MI Bio
 Prof. Hemantha Peiris - BVSc (Hons), Mphil, PhD *
 Prof. Sagarika Ekanayake - BSc, Mphil, PhD *
 Prof. Povel Palpovich Zagorskin - MD (Russ), PhD (Rus)*
 Associate Prof. Irina Mikhailova Zhdanovich - MD (Rus), PhD (Rus) *
 Dr. A.A.P. Keerthi - Grad. I. Chem.C, M.I.Chem.C., PhD
 Mr. N.D. Amal Wageesha - Grad. I. Chem.C., (Hon), Mphil
 Ms. T. Kaleichelvi - BSc (Hum Bio), MSc (Food Science & Tech.)
 Ms. Poornima Marasinghe - BSc in Biotechnology
 Mr. Asanga Wathupola - MSc. Ichem.C
 Ms. Roshali T. De Silva - BSc.
 Ms. Eranga Karunaratne - BSc (Hon) (**on study leave**)
 Ms. Nadeesha Prabathini Wellala - BSc (Hon) - (**on study leave**)
 Ms. Kasuni A.Hewa Marambage - BSc (Hon)Special in Chemistry (**on study leave**)
 Mr. Priyanga Darmarathne - Ichem (**on study leave**)

Psychology and Medical Psychology

Dr. Malathie Priyangika Dissanayake - BA (Pera), MA (USA), PhD (USA)
 Associate Professor Latsples Peter - MD (Rus), PhD. (Rus)*
 Mr. Nilanga Abeysinghe - BA (Pera), MSc. (UK)

PARACLINICAL SCIENCES

Microbiology, Virology, Immunology

Prof. Nelun De Silva - MBBS (Patna), Dip. Med. Micro (Col), MD (Med.) Micro (Col)
 Prof. Maya Zaslavskaya - MD (Rus), PhD (Rus) *
 Dr. Upul Nalaka Kanakaratne - MD (Rus), MSc (Kelaniya), PhD
 Dr. Vindya Perera - BVSc (Pera)
 Ms. J.Lohitharajah - BSc (SJP) (**on study leave**)

Parasitology

Prof. Sriyani Ekanayake - *BSc (Special), PhD (Glas) **

Ms.Nirosha J.Pathirana - *BSc. Biological Science & MSc*

Ms. Ishani Gammama Liyanage - *Bsc., MSc.*

Mr. H.M.J.C.B.Herath - *BSc. Special in Applied Biology (Hon)*

Ms. Anushika Herath - *BSc. Special in Applied Biology (Hon) (on study leave)*

Pathology

Dr. Padmini Wijenayake - *MBBS (Col), Dip. in Pathology, MD*

Prof. Artifeksova Anna*

Associated Prof. Kuznetsov Sergey*

Associated Prof. Kuznetsova Svetlana*

Dr. Sonali Rodrigo - *MBBS (Ragama) MD **

Dr. Kamani Samarasinghe - *MBBS, Dip. in Pathology, MD in Histopathology**

Dr. Mangala Bopagoda - *MBBS (Col.), Dip in Pathology, MB in Histopathology**

Dr. Tharushi Silva - *MBBS (Bangladesh)*

Dr. Indika Kalahe - *MBBS*

Dr. Nishani Seneviratne - *MBBS (India)*

Pharmacology

Dr. S.A.Jayaratna - *MBBS(Pera), DFM, M.Phil (Pharma)*

Dr. Chandanie A Wanigatunge - *MBBS(NCMC), MD (Col.), FCCP **

Dr. Kaushalya Perera - *MD (Rus)*

Dr. Hiran Warnakulasuriya - *MD (Rus)*

Dr. Hashan Sanjaya Kulasena - *MBBS (China), MSc. (Biomed), (UK)*

Dr. Kushan de Zoysa - *MD (Rus)*

Dr. Ashan Ranasinghe - *MD (Rus)(on study leave)*

Dr. Ishani Wickramage - *MBBS (on study leave)*

Forensic Medicine

Prof. Ananda Samarasekara - *MD,MBBS, DLM,DMJ (London), Dip.F.M. (Glasgow)*

Dr. Sunil Kumara - *MBBS, DLM,MD*

Dr. W. M. H. U. Wickramasinghe - *MBBS*

Community Medicine

Prof. D.B. Nugegoda - *MBBS, MSc, MFPHM, FFPH*

Dr. Upul Senarath - *MBBS, MSc, MD **

Dr. Thivanka Munasinghe - *MD, MCGP, Dip.HHM, PG Dip. In Health Administration*

Dr. Vindya Rajakaruna - *MBBS (Col)*

Dr. Roshini Susiriwardane - *MBBS*

CLINICAL SCIENCES

Surgery

Professor Neville Perera - *MS, FRCS, FRCS (Ed.),Dip Urol(Lond)*

Prof. Lionel Wijesuriya - *FRCS (Eng.), FCS (Hong Kong, FCS (SL)*
 Dr. Nandalal Gunaratne - *MBBS, MS, FRCS(UK.)*
 Dr. A.S. Withanage - *MD (Rus), LMSSA (Lond), FRCS (Irel), FRCS (Edin), FRCS(Eng)*
 Dr. Karunasena Nanayakkara - *MBBS, MS (SL), FRCS(Edin.)*
 Dr. Pio Shamal Perera - *MBBS (China)*
 Dr. Supul Banagala - *MBBS*
 Dr. Shehara Perera - *MBBS (China) (On Study Leave)*

Medicine

Prof. JKP Wanigasuriya - *MBBS, MRCP (UK), MPhil, MD(Medicine)*
 Dr. W.W.W. Jayawickrama - *MBBS, MD (Col), MRCP (UK)*
 Dr. Randula Samarasinghe - *MBBS, MD, MRCP (UK)*
 Dr. Nirmala Wijekoon - *MBBS, MD, MRCP(UK), FRCP(Edin), FCCP*
 Dr. Oshadhi Wakista - *MBBS (Bangladesh)*
 Dr. D.J.S. Lisbeth Siriwardane - *MD (Belarus)*

Pediatrics

Prof. Deepthi Samarage - *MBBS, MD, MRCP(UK)*
 Dr. Jeewani Sarathchandra - *MBBS, MD, DCH*
 Dr. Udayanthi Mahamithawa - *MBBS, MD (Paediatrics)*
 Dr. Nishantha Rubasinghe - *MBBS, MD, Dip. in Child Health (Sri Lanka),
 MRCP CH (UK), Dip in Epilepsy (UK)*
 Dr. Chamarika Jayanetti - *MBBS*

Obstetrics and Gynecology

Prof. Deepal Weerasekara - *MBBS, MS, FRCOG(UK), FRCS(Edinburgh)*
 Dr. Thilak Dissanayake - *MBBS, MS(Sri Lanka), FRCOG, FSL.CROG*
 Dr. Manjula Gunarathne - *MBBS, MRCOG(UK)*

Psychiatry

Prof. Samudra Kathriarachchi - *MBBS, MD Psychiatry**
 Dr. Ranjith Jayawardena - *MBBS, DPM.(Eng), MRC Psych.*
 Dr. Gamini Jayawardena - *MBBS, MD(Psych)*
 Dr. Dulmini Jayasundara - *MBBS, MRCPsych(UK)*
 Dr. W.Sanuja Gihan Peiris - *MD (Belarus)*

Anesthesiology

Dr. D.R. de Silva - *MBBS, MD, FFARCS(Eng)*
 Dr. W. A. S. Asoka de Silva - *MBBS(Cey), FRCA(Eng)*
 Dr. N.R. Perera - *MBBS, MD(Anesthesiology)*

Cardiology

Dr. Mohan Jayathilake - *MBBS, MD, FACC, MRCP, FAPSC, FCCP*
 Dr. Hasantha Ranawake - *MBBS, MD*

Dermatology
Professor Jayamini Seneviratne - <i>MBBS, MD(Col)*</i> Dr. Dantha Hewage - <i>MBBS(Colombo), MD (Dermatology)*</i> Dr. Poorna Weerasinghe - <i>MBBS(Colombo), MD(Dermatology)*</i>
ENT
Dr. Sobitha Abeyratne - <i>MS FRCS*</i>
Family Medicine
Dr. Thivanka Munasinghe - <i>MD(Latvia), MCGP(SL), HNDC(Col)</i>
Neurology
Dr. Sunethra Senanayake - <i>MBBS, MD, FCCP</i>
Nutrition
Ms. Dilki Atapattu - <i>BSc(Hons), (Special) Food Science</i>
Oncology
Dr. R.S. Jayathilake - <i>MBBS(Cey) DMRT (Lon), FSLCO, FSLC(Paed), FRCR(Lon)*</i>
Ophthalmology
Dr. Udeni Dissanayake - <i>MBBS, MS. Ophthalmology, DO, FRCS(Edin)</i>
Orthopaedic Surgery
Dr. Hiran Amarasekera - <i>MBBS, MS (Col),FRCS (Ed)</i> Dr. Wasantha Perera - <i>MBBS, LRCP (London), MRCS (Eng)FRCS, MS*</i>
Physiotherapy
Mr. RPUK Ariyapala - <i>Physiotherapist Dip. In Physiotherapy</i>
Radiology
Dr. N. P. E. Seneviratne - <i>MBBS, MD (Radiology)*</i> Dr. Usha Samarasinghe - <i>MBBS, MD (Radiology)</i>
Sexually Transmitted Disease
Dr. K Buddhakorala - <i>MBBS, MSc., MD, FRCP(Glasg)</i>
Transfusion Medicine
Dr. Pushpa Dissanayake - <i>MD (Transfusion Medicine), Dip. in Transfusion Medicine</i>
Dentistry
Dr. H.S De Zoysa Rajapakse - <i>BDS(SL), DGDP(SL)</i>
Other
Physical Training
Mr.Sifu Prasanna Jayaweera

***Visiting**

09. ASSESSMENT PROCEDURE AND EXAMINATIONS

9.1 GENERAL

- (a) Formative assessments are conducted periodically during the semester.
- (b) Summative assessments will be held at the end of each discipline.
- (c) Pass mark is 50%
- (d) The degree is awarded on successful completion of the examinations in all disciplines.

9.2 ASSESSMENTS

9.2.1 Formative assessments

(a) Control Tests

These are carried out periodically to help students to assess their progress and knowledge.

These could be oral/MCQ/SEQ/practical assessments. The marks will not be carried forward.

(b) Credit Examination

These are held at the end of each semester and would cover the work done during that semester. The marks of this examination will form part of the final examinations as a continuous assessment mark. Assessment will include SEQ/ MCQ/viva voce/spots/OSPE/OSCE.

There will be no repeat examinations. Students who absent themselves without a valid medical certificate will get a zero mark.

Please see section 9.7 for the procedure to be followed when a student is absent for a credit examination, clinical rotation, final examination on medical grounds.

9.2.2 Summative Assessment

(a) Final Examination/ End of Discipline Examination

This is the final examination on that **discipline** and covers work done during all semesters. Repeat examination will be conducted four weeks after results are released.

The student will have 4 attempts at this examination.

The Final Examination will include a theory component (MCQ/SEQ), Practical/Clinical and a Viva Voce depending on the discipline. The continuous assessment mark will form a percentage of the final total.

Viva Voce will carry a maximum 20%. The Viva board will consist of at least one external examiner.

Completion of the final examination or its repeat examination in Anatomy, Histology, Physiology and Biochemistry at the end of the 3rd semester is essential to proceed to the 4th semester.

9.3 ASSESSMENT TOOLS

- Multiple choice questions (MCQ)
- Structured essays questions (SEQ)
- Short answer questions (SAQ)
- Spots
- Objective Structured Practical Examination (OSPE)
- Objective Structured Clinical Examination (OSCE)
- Practical examination
- Clinical Examination
- Viva voce- structured or *card based viva voce

*** Card based Viva voce**

Oral examination based on a randomly selected card with structured questions

9.4 GRADES AND CRITERIA

9.4.1 The student performance at the final examination will be graded as follows.

< 25	E	1	Bad Failure
< 50	D	2	Fail
50 - 59	C	3	Satisfactory
60 - 69	B	4	Good
70 - 79	A	5	Very Good
> 80	A+	5+	Excellent

6.4.2 To pass in a discipline the student has to obtain a minimum of 50% in that discipline at the final/end of discipline examination with a minimum of 45% in the theory component.

6.4.3 To be eligible for a distinction the student should obtain a minimum of 75% in that discipline at the first attempt and obtain at least 60% in each component (including credit tests) of the examination of that discipline.

6.4.4 The degree is awarded on successful completion of the final examinations in all disciplines in the medical course.

6.4.5 Award of honors will be at three levels preclinical, paraclinical, clinical.

At the end of completion of examinations in all preclinical/paraclinical/clinical subjects honors will be awarded on the aggregate of all subjects in each category as follows.

Marks	Grade	Class/honors
50 -59	3	Pass
60-69	4	2nd Lower
70-79	5	2nd Upper
80 and above	5+	1st Class

On successful completion of the medical course the MBBS degree will be awarded. After obtaining MBBS, the students are eligible to sit for the Russian government examinations (Surgery, Medicine, Gynecology & Obstetrics, Social Medicine, and Pediatrics). Successful candidates will be awarded the MD degree from Nizhny Novgorod State Medical Academy, Russia.

9.5 ELIGIBILITY CRITERIA

Attendance

1. To sit the final Examination in a discipline an attendance of at least 80% at small group classes, seminars, assessments, practicals and tutorials is mandatory even if the student submits a valid medical certificate. For clinical rotations 100% attendance is mandatory.
No student will be admitted to the examination hall without the admission card issued by the Registrar/SAITM
2. Those who do not sit the examination on the stipulated date without a valid reason acceptable to the Faculty Board will have to do the repeat examination and will not be eligible for honors
3. Student will have the maximum of 4 attempts at the final examination of a particular discipline (Two attempts with the respective batch, 3rd and 4th attempts with the junior batch).
- 4 Students who fail in premedical subjects (Biology and Physics) in the 1st semester will have to sit the repeat examination in that subject. A student failing the repeat examination will join the junior batch.
- 5 Completion of the final examination or its repeat examination in Anatomy, Histology, Physiology and Biochemistry at the end of the 3rd semester is mandatory to proceed to the 4th semester.
- 6 Students should complete all paraclinical and psychology examinations successfully to be eligible to commence the professorial appointments.
7. Students should successfully complete all clinical rotations before commencing the professorial appointments

8. A student can hold a studentship for a maximum period of 10 years from the date of first registration.
9. Students are strongly advised to complete all examinations on schedule.

The dates of the examinations are fixed.

9.6 MEDICAL CERTIFICATES

1. A student who is absent for an assessment (credit test, clinical rotation, and final examination) must inform the head of department and submit a valid medical certificate (MC) issued by the NFTH to the University Medical Officer (UMO) within three (3) days. This medical certificate will be scrutinized by the UMO.
2. If the medical certificate is not accepted the student will be considered as “absent”. Students are advised to present themselves before the UMO in case of illness. If this is not possible students are advised to get a MC from a registered medical officer at NFTH.
3. Having scrutinized any medical certificate submitted, the institute shall decide whether medical certificate submitted by a student will be accepted by the institution for granting any benefit or giving any concessions. The final authority on this matter will be the Medical Board.
4. A student not covered by an MC will be given zero marks for the attempt.

9.7 PROCEDURE TO BE FOLLOWED WHEN A STUDENT IS ABSENT FOR EXAMINATIONS AND, CLINICAL ROTATIONS, ON MEDICAL GROUNDS

A. Credit examination and Assessment at end of clinical rotation

1. In the event of a sickness, the student or parent/guardian shall formally inform the examination coordinator of the respective academic department / Registrar in the morning of the day of the credit test of his/her (student's) inability to take part in the credit examination stating the illness the student is suffering from. This must be conveyed by a way of SMS, e-mail or telegraph - mail or a letter and have evidence for giving such notification. This must be done even if the student is suffering from an illness already notified to the medical faculty.
2. If the student is intending to claim any benefit or concession with regard to marks assigned for the credit test and for being absent from the credit examination, a medical certificate **MUST** be submitted within three days of the day of the credit examination to the University Medical Officer irrespective of whether he/she continues to suffer from that illness.

3. The medical certificate so submitted must be from the NPTH
4. The medical certificate so submitted must include the diagnosis and also the fact that the student (patient) is medically unfit to sit the examination on that particular day (date of the credit examination must be mentioned)
5. The University Medical Officer shall submit the medical certificate so submitted to the Registrar, SAITM stating the specialty under which the illness is classified.
6. The Registrar shall arrange a medical board consisting of three members to scrutinize the medical certificate and the board shall consist of
 - a. Specialist from the relevant specialty as specified by UMO
 - b. The Head of the relevant department or a senior nominee who shall be a medically qualified person.
 - c. The Dean of the medical faculty or nominee who shall be a senior medically qualified person.
7. The medical board may summon the student, if deemed necessary, for clarification of any matter relevant to the medical certificate and/or the illness or any other medical record. In the event the student declines to be present when so summoned or fails to produce medical records, or fails to divulge information to the board, this may adversely affect the student's claims.
8. The medical board shall submit its decision to the Registrar in a confidential manner stating that;
 - a. the medical certificate submitted by the student can be accepted for him/her being absent from the credit examination held on the specified date
 - b. the medical certificate submitted by the student cannot be accepted for him/her being absent from the credit examination held on the specified date
9. If the medical certificate is accepted by the Medical Board the student will be entitled to the following benefits/concessions:
 - a. To sit the comparable credit examination at the next available opportunity with the immediate junior batch.
 - b. If no such credit examination is available as per above, to sit for a in depth viva voce conducted by the relevant academic discipline and the marks obtained to be allocated for the credit.

B. Final examination

1. Section 1-8 in the procedure for the Credit examination and Assessment at end of clinical rotation will be similar for the Final Examination. However, in this case if the medical certificate is **accepted by the Medical Board** the student will be entitled to the following benefits/concessions:
 - a. If the Medical certificate is accepted the student can sit for the repeat examination which will be considered as his/her first attempt and will be eligible for honours.
 - b. If the medical certificate is not accepted the student can sit the repeat examination which will be considered as his/her 2nd attempt and will not be eligible for honours.

10. EXAMINATION BY LAWS

(A). Regulations Governing the Conduct of Examinations

01. A Candidate shall be present at their respective examination hall at least 15 minutes before the commencement of an examination and should enter the examination hall at the request of the supervisor.
02. Candidates shall occupy the seats carrying their respective Index Numbers or as allocated by the Supervisor.
03. Candidates shall take only pens, pencils, erasers, foot-rulers, boxes of colours, mathematical instruments, transparent water bottle and such other essential articles or materials authorized by the supervisor, into the examination hall.
04. No candidate shall be admitted to the examination hall after thirty minutes have elapsed from the commencement of an examination and no candidate shall be permitted to leave the examination hall before thirty minutes have elapsed from the commencement of the examination.
05. Every candidate should bring his Admission Card, and Student's Identity Card issued by SAIMT to the examination hall. If a candidate loses the Identity Card or Admission Card during the examination period, he/she should immediately report to the Registrar/Senior Assistant Registrar and obtain a duplicate of such documents.
06. A candidate shall produce any document, written material or item of stationery in his possession or custody when requested to do so by the Supervisor.
07. No candidate shall ask for or exchange anything with any other candidate, copy or attempt to copy anything written by any other candidate or communicate with any other candidate. A candidate shall not permit or assist any other candidate to copy.
08. A candidate shall use only the answer book and sheets of paper issued for that day for the purpose of the examination.
09. Stationery (Writing paper, graph paper, drawing paper, ledger and graph paper, etc.) shall be issued to candidates as required. A candidate shall not tear, fold, crumple, scratch or in any other way damage any item of stationery issued to him. A candidate shall use only the stationery issued to him by the supervisor and Invigilator, and shall leave on his desk his answer scripts, mathematical tables and any other returnable material issued to him before he leaves the examination hall. A candidate shall not take out of the examination hall any paper, answer book or any other material issued to him by the supervisor or other authorized officer.
10. Before commencing to answer an examination paper a candidate shall write his index number with the name of the examination in the appropriate space in the

answer book or sheet and he shall write his index number on every sheet or paper used by him. No candidate shall write his name or make any identification mark in any answer script. **Any candidate who writes an index number and code other than his own on an answer script shall be guilty of an examination offence.**

11. All papers used for rough work as well as writing paper shall be attached to the answer script, but all material, which does not form a part of the answer script, shall be cancelled by drawing lines across such material.
12. Candidates shall conduct themselves in the examination hall in such a manner as not to cause any obstruction or harassment to the supervisor, the Invigilators and other candidates, and shall observe silence both inside the examination hall and outside.
13. A candidate shall not permit another person to impersonate him/her at any examination, and shall not appear on behalf of any other person at any examination.
14. The supervisor or an invigilator may obtain from a candidate a written statement in respect of any matter that occurs in the examination hall. A candidate shall not decline to make such statement or to place his/her signature on such statement/s.
15. During the course of answering a paper, no candidate shall be permitted to leave the examination hall temporarily. In case of an emergency the supervisor may grant permission to do so under the supervisor's surveillance.
16. A candidate shall remain seated in his/her seat till the answer scripts are collected and shall hand over his/her answer script only to the supervisor or an invigilator.
17. A candidate shall not attempt to make improper use of a document, drawing or instrument.
18. Every candidate who is eligible for an examination shall be deemed to have sat the examination unless
 - a. He/she submits a valid reason such as illness, death of immediate family (parent, sibling spouse or child) or a tragic event to withdraw from the examination. Documentary evidence in support of these claims have to be submitted
 - b. In a case of illness a medical certificate in support of his/her absence, should be submitted prior to the commencement of the examination or he /she shall inform the Dean of the Faculty in writing of his/her inability to attend the examination and submit the medical certificate within three days after the commencement of the examination. The medical certificate shall

be from a Government Registered Medical officer or a Dental Surgeon as the case may be with the seal. **(see Medical Certificates 9.6 (2) &(3)**

19. A student who withdraws or absents himself/herself from any examination with a valid reason as in 18 above shall be eligible for honours at a subsequent examination. A student who withdraws or absents himself/herself from any examination without a valid reason (*stipulated in 18. above*) shall not be eligible for honours at a subsequent examination
20. Students are prohibited from carrying cellular phones or any other electronic device used for communication during the course of written, oral, clinical or practical examinations.
21. It shall be the responsibility of every candidate to refrain from any act that may lead to any suspicion that he has committed any examination offence or is likely to commit such offence.

(B) Examination Offences (The following are considered as examination offences)

01. Possession of any notes, electronic devices and documents, while in the examination venue, other than those issued at the venue for purposes of the exam.
02. Copying
03. Cheating
04. Removing items of stationery and other material belonging to SAIM from the examination hall.
05. Misconduct
06. Impersonation
07. Improper access to the contents of a question paper or to the subject matter of a test, or obtaining aid and assistance to commit an examination offence,
08. Exercising improper influence on officers engaged in the conduct of an examination
09. Any other act considered as an examination offence by SAIM

Such offences need to be reported to the Registrar in writing who in consultation with the Vice-Chancellor/Dean will institute a board of inquiry. The Board of Inquiry will recommend the necessary penalties for consideration and approval of the Senate.

(C) Penalties for Examination Offences

1. **Possession of any unauthorized materials:** Being in possession of unauthorized material such as documents cancellation of candidature for any period not exceeding two academic years.

2. **Copying:** cancellation of candidature and debarring the candidate from sitting for any examination conducted by SAIMT for any period not exceeding three years and the imposition of other penalties as recommended by the Board of Inquiry.
3. **Cheating:** Cancellation of candidature and debarring the candidate from sitting for any examination conducted by SAIMT for a period of time, decided by the Board of Inquiry.
4. **Removing out of the examination hall items of stationery and other material belonging to SAIMT:** cancellation of candidature and debarring the candidate from sitting for any examination conducted by SAIMT for a period of time determined by the Board of Inquiry.
5. **Misconduct:** cancellation of candidature and debarring the candidate from sitting for any examination conducted by SAIMT for a period not exceeding five years and other penalties at the discretion of the Board of Inquiry.
6. **Impersonation:** cancellation of candidature and debarring the candidate from sitting for any examination conducted by SAIMT for a period not exceeding five years and other penalties at the discretion of the Board of Inquiry.
7. **Exercising improper influence on examiners or officers engaged in the conduct of an examination:** Any penalty imposed at the discretion of the Board of Inquiry.
8. **Committing an examination offence for the second time:** deregistration.

11. INTRODUCTION TO THE DEPARTMENTS/UNITS/SUBJECTS

PREMEDICAL SCIENCES

Department of Biology & Ecology

AIM

The general aim of Biology in medical education is to provide students with necessary background knowledge for the study of theoretical, social and clinical disciplines.

ASSESSMENTS

Final examination (<i>End of 01st semester</i>)	Main	Repeat
Component		
Written Paper	60%	60%
Practical Recordings/Tutorials	10%	10%
Continuous Assessments	10%	10%
Viva voce	20%	20%
Total	100	100

RECOMMENDED BOOKS

Jan M. Friedman, Fred J.Dill, Michael R. Hayden, Barbara C. McGillivray.

Genetics 2nd edition (National Medical Series For Independent Study).

Peter H. Raven, George B. Johnson. Biology 1999. 5th edition.

J.M. Connor, M.A. Ferguson Smith. Essential Medical Genetics. Third Edition.

PREMEDICAL SCIENCES

Department of Medical Physics and Informatics

AIM

To provide a sound understanding of physical principles that would lead to a better foundation in bio-physical processes and diagnostics.

ASSESSMENT

Final examination (<i>End of 01st semester</i>)	Main
Component	
Credit test (Card based structured viva VOCE)	20%
Written examination	80%
Total	100

RECOMMENDED BOOKS

Paul Davidovits. Physics in biology and medicine. Second edition. Elsevier, 2001

Monich V.A. Laboratory work instructions for the course of medical and biological physics.

N.Novgorod. :NSMA editorial office, 2005.

Monich V.A. Medical and biological physics problems. N.Novgorod. : NSMA editorial office, 2009.

Russel K. Hobbie. Intermediate Physics for medicine and biology. N.Y.:Springer, 1995.

PREMEDICAL SCIENCES

Department of Languages

RUSSIAN LANGUAGE

The basis of the Russian grammar

Conversational topics preclinical

Conversational topics - clinical training period

Scientific - reading journals, abstracts

Conversational topics for scientific discussion

LATIN AND MEDICAL TERMINOLOGY

Latin Alphabet and Phonetics

Grammar

Aphorisms, sayings and proverbs

Pharmaceutical and Chemical nomenclature.

Clinical Terminology

Designation of the number and quantity in Latin.

PREMEDICAL SCIENCES

Department of Biochemistry and Chemistry

AIMS

- To understand the basics of Chemistry and Biochemistry relevant to medical students.
- To understand the biochemical processes responsible for a healthy life.
- To understand the molecular basis of heredity.
- To understand disease at molecular level.
- To understand the biochemical basics of diagnostics.

ASSESSMENTS

Continuous assessments will be held at the end of semesters 1 and 2.

Final Examination

The final Examination will be held at the end of semester 3.

Final assessment

Component	Main	Repeat
Continuous assessment 1	10%	-
Continuous assessment 2	10%	-
Theory (MCQs + SEQs)	60%	70%
OSPE	10%	20%
Card based objective viva voce	10%	10%
Total	100	100

RECOMMENDED BOOKS

General Chemistry by Darrell D. Ebbing/ Steven D. Gammon, Houghton Mifflin Company, Boston, New York.

Fundamentals of Bioorganic Chemistry, by S.E.Zurabyan, Geotar-med 2003

General Chemistry practical Manual by S.V.Zimina, I.V.Zhdanovich, A.S.Gordetsov, Nizhny Novgorod ,2008

Practical manual on Bioorganic Chemistry by D.A. Kozlov, Nizhny Novgorod,2008

Lippincott's Illustrated reviews Biochemistry By Pamela C Champe & Richard A Harvey Lippincots,

Illustrated review Harper's Biochemistry By Robert K Murry, Daryl K Granner, Peter A. Mayes and Victor W Rodwell

Text book of Biochemistry with clinical correlations By Thomas Devlin

PREMEDICAL SCIENCES

Department of Psychology and Medical Psychology

AIM

To equip the students with adequate theoretical grounding and knowledge in psychology with necessary skills and attitudes to understand various aspects of human behaviours that will be useful to work as medical officers in treating people, and also in their role in promoting healthy behaviours.

ASSESSMENT

Control Tests

This will be in the format of SAQ or MCQ, presentation, case reports to assess the students' ability to apply theoretical knowledge in real world situations.

Continuous assessment

Two in-class tests will be given in the format of MCQ, SEQ, or presentations. Marks obtained will be carried to the final assessment.

Final examination (<i>End of 04th semester</i>)	Main	Repeat
Component		
Continuous assessment	20%	-
MCQ	25%	45%
SEQ	55%	55%
Total	100	100

RECOMMENDED READING

Butcher, J. N., Mineka, S., & Hooley, J. M. (2008). *Abnormal psychology: Core concepts*. Boston, MA: Allyn & Bacon. Comer, R. J. (2010). *Abnormal Psychology*. (7th ed.). New York: Worth Publisher.

Greene, B., Nevid, J. S & Rathus, S. A (2010), *Abnormal Psychology in a Changing World*. (8th ed.). New Jersey: Pearson Education.

Nolen-Hoeksema, S. (2004), *Abnormal Psychology*. (3rd ed.). Boston: McGraw Hill.

Kalat, J. W. (2008). *Introduction to psychology* (8th ed.). Belmont, CA: Wadsworth/Thomson Learning Inc.

Kalat, J. W. (2007). *Biological psychology* (9th ed.). Belmont, CA: Wadsworth/Thomson Learning.

PRECLINICAL SCIENCES

Department of Anatomy

AIM

To ensure that the students have an adequate knowledge of the structure of the human body and have the competency to use this knowledge as a basis of clinical medicine. To have a sound knowledge of the growth and development of organs and systems in order to understand the normal structure and as a background of congenital anomalies.

ASSESSMENTS

Final examination (<i>End of 03rd semester</i>)	Main	Repeat
Component		
Multiple choice questions (MCQ)	20%	25%
Structured essay (SEQ)	20%	25%
Structured viva voce	20%	25%
Spots	20%	25%
Credit 1,2&3	20%	-
Total	100	100

RECOMMENDED READING

Gray's Anatomy for students Richard L Drake, Wayne Vogl & Adam W.M. Mitchell

Last's Anatomy (Regional and Applied) Chummy S Sinnathamby 11th edition

Clinical Anatomy by Regions by Richard Snell 8th edition

Clinical Neuroanatomy by Richard Snell 7th edition

Langman's Medical Embryology by T.W. Sadler 11th edition

Clinical Anatomy by Harold Ellis and Vishy Mahadevan 12th edition

Human Embryology by Malkanthi A. Chandrasekara 1st edition

Text book of Human Anatomy (for medical students) By M.R Sapin L.L. Kolesnikov,

D.B. Nikju Grants Atlas of Anatomy

PRECLINICAL SCIENCES

Department of Histology and Early Embryology

AIM

To study the microscopic structure of the cells and tissues and their organisation to form the organs and systems of the body and their adaptation to function. To use this knowledge as a basis of understanding the pathological changes that occurs during disease.

To study the changes that occurs during early embryonic development.

ASSESSMENTS

Final examination (<i>End of 03rd semester</i>)	Main	Repeat
Component		
Multiple choice questions (MCQ)	30%	30%
Structured essay (SEQ)	30%	40%
Spots	20%	30%
Credit test 1&2	20%	-
Total	100	100

RECOMMENDED READING

Wheater's Functional Histology : A Text Colour Atlas

Barbara Young, James S. Lowe, Alan Stevens and John W. Heath

Basic Histology; Junqueira, Luiz Carlos, Carneiro, Jose

Langman's Medical Embryology; T.W Sadler

Human embryology; Malkanthi Chandrasekera

PRECLINICAL SCIENCES

Department of Physiology

AIM

An in-depth understanding of the normal functions of the body in the context of cellular, tissue and systemic levels and the mechanisms maintaining the environment surrounding the cell, which is known as homeostasis.

ASSESSMENTS

Final examination (*End of 03rd semester*)

Components	Main
SEQ/SAQ	20%
MCQ	20%
OSPE/Spots	20%
Card base Viva Voce	20%
Credit test Semester I	20%
Total	100

RECOMMENDED READING

Basic Textbooks

Davies A., Asa G. H. Blakeley, Cecil Kidd. Human Physiology. Churchill Livingstone, 2001

Ganong F. Review of Medical Physiology. Appleton and Lange, 1997

Levy M. N. Berne R. M. Physiology. Edited by Robert M. Berne. Mosby, Inc, 1998 (2004)

PRECLINICAL SCIENCES

Department of Medical Microbiology and Immunology

AIM

To enable students to diagnose and manage infections and infectious diseases with emphasis on those prevalent in the country.

ASSESSMENTS

Final examination (<i>End of 05th semester</i>)	Main	Repeat
Component		
SEQ/SAQ	30%	40%
MCQ	20%	25%
OSPE	20%	25%
Viva voce	10%	10%
Credit tests at end of semester 1V & V	20%	-
Total	100	100

RECOMMENDED READING

Greenwood, D. Medical microbiology/ D. Greenwood, R. Slack, J. Peutherer.-Churchill Livingstone.

Brooks G.F. et al. Jawetz, Melnick, Adelberg's Medical Microbiology. 21st ed. Appleton & Lange, 1998.

Mims C. A., Playfair J. H. L., Roitt I., Wakelin D., Williams R., Anderson R. M.. Medical Microbiology. Mosby. 1993.

Roitt I., Brostoff J., Male D. Immunology. 5th ed. Mosby. 1998.

Sharon J. Basic immunology. Williams & Wilkins. 1998.

Weir D. M., Immunology J. S. Churchill Livingston. 8th ed. 1997

PRECLINICAL SCIENCES

Department of Parasitology

AIM

To develop knowledge on the parasitic infections prevalent in Sri Lanka, their modes of transmission, pathogenesis, diagnosis, prevention and control of the diseases caused.

ASSESSMENT

Final assessment

- Structured essay questions (SEQ)/ or short answer questions (SAQ)
- OSPE
- Card based viva voce

Final examination (<i>End of 05th semester</i>)	Main	Repeat
Component		
SEQ/SAQ	40%	50%
OSPE	20%	20%
Viva voce	10%	10%
Credit test	30%	—
MCQ	—	20%
Total	100	100

RECOMMENDED READING

Basic Clinical Parasitology, Franklin A. Neva and Harold Brown, 6th edition, East Norwalk: Prentice Hall International Inc., 1996

Text Book of Medical Parasitology, C. K. Jayaram Paniker, 6th edition, New Delhi: Jaypee Brothers, 2007.

Medical Parasitology, R. L. J. Muller, Gower Medical Publishing, 1989.

Manson's Tropical Disease, Gordon Cook and Alimuddin Zumla, 21st edition, Saunders, 2002.

Medical Entomology for students, M. W. Service, 4th edition, Cambridge University Press.

PARACLINICAL SCIENCES

Department of Community Medicine

AIM

The aim is to develop the knowledge, skills and attitudes at the level of a basic doctor practicing in Sri Lanka in all aspects of community medicine, in order to promote healthy lifestyles and also to improve the social and environmental health of the people in the community.

Community Medicine curriculum consists of theoretical inputs relevant to principles and practices of public health, with special emphasis on prevention and promotion of health. The students are also expected to plan and conduct a research project in a topic related to Community Medicine under the supervision of an academic staff member.

The field based programme includes the Community Medicine clerkship and a family study in a Medical Officer of Health (MOH) area.

ASSESSMENTS

Components	Marks
Credit test (Demography/Statistics/Basic Epidemiology)	15%
Evaluation of research study (Report & Viva)	10%
Evaluation of Family study (Report & Viva)	10%
Family Medicine Viva	05%
Community Medicine Clerkship OSPE	20%
Final examination SEQ	40%
Total	100

Candidates are expected to obtain a minimum score of 50% to pass Community Medicine when all the following components are added, credit examination, research project evaluation, evaluation of the clerkship in community medicine, evaluation of the family study and the final theory paper. Any candidate who is unable to obtain the pass mark will have to sit a theory paper only, and obtain a minimum score of 50% to pass Community Medicine

RECOMMENDED READING

Text book of preventive and social medicine ,K.Park, Family Health - A manual for health workers in Sri Lanka, Family Health Bureau, Colombo. Expanded programme on Immunization, ministry of health. Annual health bulletin, ministry of health. Basic statistics and Epidemiology -A practical guide, Anatomy Stewart Epidemiology in medical practice, D.J.P.Barker&G.Rose, Learning research A guide to medical students, junior doctors and related professionals, C.Sivagnanasundaram Occupational health an introductory course for health care workers, H.M.S.S.D.Herath A manual for the Sri Lanka Public Health inspector, H.M.S.S.D.Herath

PARACLINICAL SCIENCES

Department of Forensic Medicine

AIM

To enable students to identify and manage medico legal and ethical issues in medical practice in general and Forensic practice in specific with emphasis on those prevalent and applicable to Sri Lanka.

ASSESSMENT

Final examination (<i>End of 7th semester</i>)	Main	Repeat
Component		
SEQ/SAQ	20%	40%
MCQ	20%	25%
OSPE	20%	25%
Structured viva voce	20%	10%
Credit tests at end of semester 1V & V	20%	—
Total	100	100

RECOMMENDED READING

Bernard Knight: Simpson's Forensic Medicine; 11th, 12th or 13th Editions

Bernard Knight, Pekka Saukko: Forensic Pathology; 2nd, 3rd Editions

McClay: Clinical forensic Medicine; 2nd Edition

Di Maio and Dana: Hand book of Forensic Pathology; 1st Edition

Medico Legal aspects of injuries M Saravanapathan, 1st Edition 1982

PARACLINICAL SCIENCES

Department of Pathology

AIM

To enable the students to identify the structural and the functional abnormalities of the human body related to diseases at molecular, cellular, tissue, organ, and organismal levels.

ASSESSMENT

Final examination (<i>End of 06th semester</i>)	Main	Repeat
Component		
SEQ/SAQ & MCQ	70%	90%
Viva voce	10%	10%
Credit tests at	20%	—
Total	100	100

RECOMMENDED READING

Concise Pathology (Parakrama Chandrasoma, Clive R. Taylor)

Robbins and Cotran pathologic Basis of disease; Kumar, Abbas, Fausto

Practical Pathology (P. Chakraborty)

Muir's Text book of pathology

Wheater's Basic Histopathology

PARACLINICAL SCIENCES

Department of Pharmacology

AIM

To enable the students to develop a comprehensive knowledge of drugs and their use in patients in an effective and safe manner.

ASSESSMENTS

Final examination (End of 06th semester)	Main	Repeat
Component		
SEQ/SAQ	35%	45%
MCQ	35%	45%
Viva voce	10%	10%
Credit test I	10%	—
Credit test II	10%	—
Total	100	100

RECOMMENDED READING

Clinical Pharmacology Bennet & Brown

Pharmacology Rang & Dale

Pharmacological Basis of Therapeutics Goodman & Gilman

Katzung, B. G. (1987) Basic & Clinical Pharmacology

Journals - Sri Lanka Prescriber

Other publications

British National Formulary

Sri Lanka Hospital Formulary

CLINICAL SCIENCES

Introduction

Clinical sciences stream includes medicine, surgery, obstetrics and gynecology and paediatrics and psychiatry. In developing a curriculum for the Clinical Sciences, the following have been taken into consideration.

Education with character

- Medical education for the twenty first century
- Higher Education for the Twenty first Century (HETC)
- Literacy for the twenty first century
- Accreditation of medical schools
- Subject Benchmark Statement in Medicine by the CVCD and UGC
- Guidelines and Specifications on standards and criteria for accreditation of medical schools in Sri Lanka and courses of study provided by the SLMC 2011
- Recommendations from the Quality Assurance and Accreditation Council (QAAC) of the UGC ACGME recommendations
- Departmental independence for innovation and change, while keeping in tune with the rest of the faculty.

AIM

To enable the medical undergraduates to develop the relevant attitudes, knowledge and skills in managing patients caringly, safely and effectively. He/she must know to ask for advice, make appropriate referrals and give optimal care for the patients. He/she should become continuous learners and be ready to transform clinical practice to sustain its innovative development for better healthcare.

Core Competencies

Knowledge

Learn about the anatomical, biochemical, physiological and pathological basis of disease and the methods of management that are available. They will learn how to use their knowledge of fundamental sciences in clinical practice.

Clinical Skills

Learn to obtain a relevant history, examine patients, use appropriate investigations to arrived at a diagnosis and discuss the management with patients and relatives. Know the importance of getting informed consent and making the patients play an active role in their own care.

Interpersonal, Communication skills and Teamwork

Learn the art of good communication with patients, relatives and healthcare workers, and be able to reassure the patients and relatives and allay their anxiety.

Be a team player and develop good leadership qualities.

Healthcare systems and patient safety

Know the health system in the country of practice and become aware of how to use it most effectively.

Patient safety is considered one of the most important disciplines for clinicians in the twenty first century. The student will be taught and assessed based on the World-Health Organizations patient safety curriculum.

Professionalism

Develop his character towards being a professional who will

- maintain high moral and ethical standards of practice
- be courteous and respectful to all patients, their relatives and staff
- maintain full confidentiality
- develop an altruistic attitude in his responsibilities towards patients and colleagues
- be a continuous learner

Prevention of diseases and health promotion

Learn the importance of prevention of disease and its complications and play a continuous, active role in promoting healthy behavior among individuals and community.

CLINICAL SCIENCES

Assessment of clinical subjects in the final year

1.	Assessment of theoretical knowledge	- 40 marks
	This will consist of	
	I. MCQ Paper	
	II. SEQ Paper	
2.	Clinical skills assessment	- 40 marks
	This will consist of Short cases/long cases	
3.	Continuous assessment	- 20 marks
	Total	-100 marks

Note: The format and component of assessment will vary from department to department.

CLINICAL SCIENCES

RECOMMENDED READING:

Department of Internal Medicine

Kumar & Clark's Clinical Medicine, 8th Edition, (publication September 2012): Parveen Kumar and Michael Clerk

Davidson's Principles and Practice of Medicine, 21st edition, (March 2010):

Nicki R Colledge, Brian R Walker, Stuart H Ralston

Oxford hand book of clinical medicine, 8th Edition, (publication February 2010):

Murray Longmore, Ian Wilkison Hutchison's Clinical Methods, 23rd Edition, (publication May 2012):

Michael Glynn and William M Darke Macleod's Clinical Examination, 12th Edition, (publication June 2009): Graham Douglas, Fiona Nicol, Colin Robertson

Department of Surgery

Bailey and Love's Short Text Book of Surgery. 25th edition, Edited by R.C.G. Russell, N.L. Williams and Christopher, J.K. Bulstrode, London: Hodder and Arnold, 2008.

Essential Surgery: Problems, Diagnosis and Management H. George Burkitt,

Clive R.G. Quick, Joanna B Reed, Philip J. Deakin. 4th Edition.

Scott - An Aid to Clinical Surgery. 6th edition edited by Robin, C.N Williamson and Bruce P. Waxman,

Edinburgh: Churchill Livingstone, 1998.

Lecture notes on general surgery, Harold Ellis, 12th edition, Oxford: Blackwell Scientific, 2011.

An introduction to the symptoms and signs of surgical disease. Norman L. Browse. 4th edition. London:

Edward Arnold, 2005

A text book of surgical pathology. Illingworth & Dick, London. 12th edition.

Ministry of Health & Nutrition, National Guidelines, Sri Lanka, 2007

ATLS Students course manual, 8th edition. ACSCT 2008.

Department of Gynaecology & Obstetrics

Text Books

Obstetrics by Ten Teachers

Gynaecology by Ten Teachers

Essential Antenatal Care Deepal S. Weerasekera

Labour Ward manual Deepal S. Weerasekera

Oxford hand book of Obstetrics and Gynaecology by Arulkumaran

Obstetrics & Intrapartum Emergencies Edited by Arulkumaran & Chandrachud

Department of Paediatrics

*Illustrated text book of pediatrics by Tom Lissauer, Current edition
Hutchison's Clinical Methods by M. Swash, Current edition*

Department of Psychiatry

Psychiatry (Oxford core texts),.Oxford University press John Geddes Jonathan Price, Rebecca McKnight-4th edition/latest edition 2012

*Shorter Oxford Text book of Psychiatry, M Gelder, P Harrison, P. Cowen.- 6th edition
Introduction to Psychology, J.W. Kalat, Latest edition*



12. RULES FOR THE MEDICAL STUDENTS

General Rules

All students will be issued an Identity Card with a student number. This will be used for all official purposes. Students should always carry their student ID. It will be required to gain access to SAIMT and to use library facilities. A record book is issued to each student. Students should wear the white coat while attending classes and lectures. Attendance at control tests and credit examinations, tutorials, practicals, ward work, clinical attachments and end of course examinations will be recorded and certified. The students should elect a group leader for each group and batch on yearly rotation.

All students must respect the decisions of the academic staff and non academic staff.

DRESS CODE

As medical students following a professional course it is necessary that you should be modestly attired in class and in the Hospital. The white coat must be worn during classes. Strapped blouses, T-shirts, trousers, slippers etc. are not allowed. For males trousers and shirt are recommended. Denim jeans, T-shirts & slippers should not be worn. Acceptable attire for female students - Skirts (below knee length) and blouses/shirts or Saree. Please read circular on dress code for further details.

PUNCTUALITY AND ATTENDANCE

Students have to be punctual in their attendance at classes and practicals

Students who are late for classes will be marked as absent.

Alcohol and smoking

Consumption of alcohol and smoking within the SAIMT premises and the hospital is prohibited

USE OF LABORATORY EQUIPMENT

Students should use laboratory equipment and anatomy specimens with utmost care. Accidental breakages or damage to specimens should be immediately brought to the notice of the staff. Students may be fined for any damage.

SKILLS LABORATORY

Students will practice many skills in the laboratory prior to doing these procedures on patients. Utmost care should be taken in using the resource material and any damage should be brought to the notice of the teacher. Student may be fined for any damages.

13. THE LIBRARY

MISSION

To serve as a center of excellence by fulfilling the institute's academic and research needs by providing access tools to quality information resources and foster student maturation in knowledge, information literacy and lifelong learning.

OBJECTIVES

The library strives to achieve the following through its collections, facilities, personnel and services;

- Fulfill the instructional and research needs of readers; undergraduates as well as academic staff members.
- maintain an environment conducive to academic use of information resources
- Support the teaching and educational functions by strengthening the collection related to subject curriculum and user education programmes

Library Collection

The Library consists of a wide range of information resources both in print format and in non print format. It includes subject specific textbooks, other reference sources, scholarly journals, magazines, reports, past exam papers, newspaper collection and lecture notes collection.

E- resources include a range of CD- ROM and DVD collection and on line access to a large number of electronic journals.

Access to Electronic journals

Registered members can access to all e journals within the Institute premises by logging in to www.bmj.com

Bibliographic Organization of the Library

The SAITM Library's collection is classified using the Dewey decimal classification system (22nd ed.) which is an international, standard subject based classification system. The only exceptions are periodicals, which are arranged alphabetically by title. Anglo American Cataloguing Rules (AACR II) is used to catalogue all the information resources acquired to the SAITM library

Library Membership & Registration

Registered internal undergraduate students are eligible for the Library membership

LIBRARY ORIENTATION AND BIBLIOGRAPHY INSTRUCTION

The SAIMT library staff provides orientation sessions as well as bibliographic instruction to library users. Initial comprehensive orientation to library services and resources are given to first year students regarding library resources, how to use the library and rules and regulations of the library.

LOAN PERIODS AND RETURNS

Slips with due date are given to the reader upon checkout. Students may check out 02 books. Audio-visual materials may be checked out by academic staff members only. Students may use these materials in the multimedia Room of the library. Materials must be returned to the circulation desk during library hours.

ONLINE PUBLIC ACCESS CATALOGUE (OPAC)

The SAIMT Library's collection is managed through the online catalogue, through Library Management System (LMS). The library is able to manage its acquisitions, cataloging, circulation, and public access using this system. After library materials are classified using the Dewey Decimal Classification System, the bibliographic records are entered into LMS following AACR II for cataloguing rules. All materials added to the SAIMT library's collection can be searched through the Online catalogue where all the bibliographic records are entered to the online catalog (LMS), ensuring that the records meet international bibliographic standards. A separate manual is used for following data entry guidelines and rules. Reader community can search the library catalogue through <http://saitmsvr:82/LMS>



CATEGORIES OF INFORMATION RESOURCES

Loan Categories

Information Resources are categorized in to four types for the purposes of circulation. The Librarian determines the loan category depending on the price, availability of copies, faculty and the student demand. The four categories are:

- PR** - Permanent Reference : not to be removed from the library
- R** - Overnight reference only. These books are issued after 2.30 p.m and should be returned before 10.30 a.m. next day.
- LEN** - Issued only for three days.
- TL** - Issued only for academic staff members.

Locations

For shelving and organizational purposes, following locations are used.

- ENG** - Books recommended by Faculty of Engineering
- MD** - Books recommended by Faculty of Medical sciences
- IT** - Books recommended by Faculty of Engineering, Department of IT books
- CM** - Books recommended by Faculty of Communication and Media
- MGT** - Books recommended by Faculty of Management
- FI** - Fiction

Opening Hours

Week days - 8.30 a.m to 4.30 p.m.

Weekends - 8.30 a.m. to 12.30 p.m.

During Examination periods - 8.30 a.m. to 5.30 p.m.

Mercantile and Poya Days - Closed

Any change in the above times will be notified to the students by notice.

Library Services & Facilities

- Lending
- Reference
- Periodicals Reference
- Computer section & internet facilities
- News paper unit
- News Paper cutting and Index
- Exam Paper unit
- Lecture Notes collection
- Reading room and study rooms
- Multimedia room

- Copiers and printers
- Inter Library Loan services
- Inquiry services
- Current Awareness services
- User Education Services

Borrower confidentiality

The library staff will not disclose information regarding any reader's circulation record, (if not for official purposes) i.e., what materials are checked out to whom. If a book is urgently needed, the staff will attempt to contact the reader about returning the item.

Rules And Regulations Within The Library

- The library does not permit telephone conversations within the library. Cell phone conversations should be conducted outside the library without disturbing other readers.
- Use of food and drink products and smoking by students, faculty, or staff members is strictly prohibited within the library.
- Bags, Handbags, umbrellas, hats etc. are not allowed to be taken in to the library.
- Students' are not allowed to bring in their own textbooks into the library. The student reading area in the Lobby of the Main Building is allocated for this purpose.

Security

A Library staff member will check the in and out processes.



14. STUDENT DISCIPLINARY COMMITTEE

The Student Disciplinary Committee will be chaired by the Proctor and shall consist of the Vice Proctor and Marshals. All Student Disciplinary matters will come under the committee and will be conducted according to the rules and regulations stipulated in the Code of Conduct and student dress code. Student matters pertaining to misconduct or examination offences shall be dealt by the Student Disciplinary Committee. The Registrar shall officiate as the secretary to the Committee and any documentation pertaining to such matters shall be under the custody of the Registrar. The decisions of the Students Disciplinary Committee will be submitted to the Council for the Final decision. All Final decisions pertaining to Student Discipline shall be under the signature of the Vice Chancellor.

15. STUDENT RESEARCH

Students who undertake Research have to first obtain clearance from the the Ethical Review Committee (ERC) of the Faculty of Medicine of SAIMT.



16. THE NFTH HOSPITAL

It is the only private teaching hospital in the country and was established as part of SAIMT in September 2012. Its aim is to provide quality clinical education and training for the undergraduate medical students of SAIMT while providing affordable quality tertiary care to the community as a leading health care centre. It further hopes to complement the national health services and engage constructively with the government regulating bodies in order to develop new ways in which the private and public sectors can work together for the benefit of all patients

The hospital initially provided OPD and laboratory facilities from September 2012 and opened for indoor patients from April 2013. It now has wards and private rooms catering for the major professorial areas in Surgery, medicine, obstetrics & gynaecology, paediatrics and psychology there will be other units for anesthesiology, psychiatric, etc. The hospital has its own operating theatres, intensive care units, ETU and many specialized units. It is staffed by full time clinicians of national and international repute, many of whom hold or have held positions in renowned teaching hospitals. All the doctors will be considered as part of the extended faculty of SAIMT Medical Faculty. Board certified consultants will be employed as faculty members.

The Hospital was commissioned in three stages. Stage I catered to 200 beds, Stage II catered to 500 beds and finally Stage III catered to 700 beds. This will be further extended to 1002 beds.

Students will be sent to the hospital/s depending on their curriculum as groups, for their clinical training together with the respective consultants. Extended faculty members also will be employed for clinical teaching.



17. STUDENT LIFE AT SAIM

An overview of the SAIM student support services and welfare activities

SAITM with its motto “Education with Character” endeavours to create an ambience where students have the required support services to achieve it. In order to facilitate this, we have provided the state of the art facilities ranging from the basic facility of lecture rooms to the high-tech facility of the Moodle (Learning Management System) along with other supportive services such as: scholarships and facilitation of financial support.

◆ **ACCESS TO FREE WI-FI ZONE**

The Campus Network provides full IT services and facilities such as email, access to the Internet, academic and administrative applications, student information system plus research support services. Students can access the Internet and intranet wirelessly anywhere on campus.

◆ **MOODLE LEARNING MANAGEMENT SYSTEM**

Our Learning Management System-Moodle, provides our student as well as our lecturers and visiting staff the facility of managing lecture notes, assessments uploading and online feedback provision, scheduling extra lectures, etc. Please visit 203.94.92.35/moodle/ for more details and evidences

◆ **TECHNICAL SERVICES**

SAITM's Technical Service section provides free printing, and audio-visual services to staff, depending on the purpose for which the service is needed. Audio-visual facilities such as overhead projectors, slide projectors, movie projectors, video equipment and others are available for lectures, seminars and conferences.

The Printing Office prints a wide range of publications from lecture materials, student handouts, and research books by staff, other publications, and administration printing needs.

◆ **MENTORING PROGRAM**

The mentoring program in the faculty of medicine at SAIM is designed to help new students adjust to campus life, create a supportive network of students and faculty.

The mentee is expected to contact the mentor within the first week of class to set up the first meeting, at which both parties should reach a clear understanding of the purpose of the mentoring program and what they expect from each other. Mentors will have weekly meetings with the students depending upon their needs to discuss relevant issues and see their progress.

◆ **STUDENT COUNSELING**

The counseling service is aimed to help students address personal or emotional problems that get in the

way of having a good experience at SAIMT .Counseling can be of benefit for many different kinds of problems that can affect students' campus life and their overall well being. Among the range of emotional, cognitive, interpersonal and situational problems students may come for individual counseling to get help to cope with unreasonable and unhealthy levels of stress, anxiety, depression, emotional distress, lacking energy, lacking in confidence, isolation, and frustration in their lives. We offer both individual and group counseling services with the aims of enabling students to enhance their lives.

◆ **READING AREA**

An area of 10,000 Sq.ft is allocated for the students for use as a reading area on the 1st and 4th floors.

◆ **IMAC COMPUTER LABORATORY**

A laboratory with 30 iMac computers are available with Internet facility and three IT labs with 72 high-end pc's backed by a fiber optic backbone catering to the modern video conferencing needs.

This facilitates foreign partners to deliver lectures online over the Internet.

◆ **COMMON ROOM/ RECREATION AREA**

A recreation area with access to Free Wi-Fi zone is available on the ground floor of the main building. This area has the capacity to accommodate 200 students at a time.

◆ **SPORTS COMPLEX**

An area of 10,000 Sq.ft in the basement and on the 5th floor is allocated for indoor games. Financial support is also provided for sport activities at SAIMT

◆ **STUDENT - TEACHER LIAISON COMMITTEE**

The Committee allows students and teachers to discuss issues and find acceptable solutions. The minutes are sent to the faculty board.

◆ **SKILLS LABORATORY**

Clinical teaching will commence in the skills laboratory. The laboratory is well equipped and Mannequins are used to teach the students.

◆ **MULTIDISCIPLINARY MUSEUM- ANATOMY, PATHOLOGY , FORENSIC MEDICINE**

The Museum is housed in the Anatomy block. The Museum has wet dissected specimens, Skeleton and bones, Charts, Graphics from Imaging and other items of interest.



◆ **CENTRAL LABORATORY**

Department of Biochemistry and Chemistry maintains Central Laboratory facilities for Undergraduate Medical students. The laboratory is well equipped and serves the department of Chemistry and Biochemistry as well other disciplines such Microbiology, Pharmacology and Parasitology depending on their needs. Apart from undergraduate studies Central Laboratory provides facilities for research as well as for postgraduate studies.

◆ **CAFETERIA AND JUICE BAR**

The main canteen is located on the ground floor, easily accessible from the academic and administration wings with the capacity to accommodate approximately 150 students at a time. Wholesome meals are provided throughout the day for staff and students.

The juice bar is located in the basement and accommodate 50 students.

◆ **SHUTTLE SERVICE**

Campus operates a shuttle service between Students hostels at Thalahena through Malabe to SAIMT. It also provides a shuttle service from Kaduwela to SAIMT.

SAITM has also negotiated with the Kaduwela Pradeshiya Saba to operate a separate bus service from the hospital to Town Hall for the convenience of patients, staff and students.

◆ **CAR PARKS**

03 car parks are available for students, academic staff and visiting lecturers separately to facilitate parking with security.

◆ **MEDICAL CENTRE**

A well equipped medical center is located on the 1st floor for all emergency care coverage.

◆ **SECURITY**

A Security service is provided on the Campus to ensure a safe and sound environment for the students. Security offices are located at each entrance of the Campus premises. Each floor of the main building has a security officer round the clock.

◆ **ACCOMMODATION**

The Campus provides board and lodging in luxury houses for students at F & G Housing complex Thalahena. This Housing Complex has all basic facilities and includes a swimming pool and sports complex. Further, SAIMT provides accommodation facilities in collaboration with: Queens Hostels, Serene Hostels and Sumico Lanka Hostel Malabe. For more details please visit <http://www.saitm.edu.lk/facilities.htm>.



Faculty of Medicine

South Asian Institute of Technology and Medicine

P.O. Box 11, Millennium Drive, Off Chandrika Kumararatunga Mawatha, Malabe, Sri Lanka

Tel: (+94) 11 241 3351 or (+94) 11 241 3331 | Fax: (+94) 11 241 3332

E-mail: info@saitm.edu.lk | Web: www.saitm.edu.lk