



Lecture Modules

DIPLOMA IN PHARMACEUTICAL SCIENCES

(PHARMACIST'S COURSE - EXTERNAL)

INSTITUTE OF MEDICINE AND
HEALTH SCIENCES

FOR

**“SRI LANKA MEDICAL COUNCIL
REGISTRATION”**

**INSTITUTE OF MEDICINE AND HEALTH
SCIENCES (IMHS) SRI LANKA**





IMHS

INSTITUTE OF MEDICINE AND
HEALTH SCIENCES

NEW INTAKE

Diploma in PHARMACEUTICAL SCIENCES

for Sri Lanka Medical Council
Registration

Qualifications:
Advance Level with Chemistry

Online- 



077 802 5050

info.imhsedu@gmail.com

Module	Topic
MODULE 01	CELL BIOLOGY & HUMAN STRUCTURE
	ANATOMY AND PHYSIOLOGY OF HUMAN GASTROINTESTINAL TRACT
	PATHOLOGY OF HUMAN GASTROINTESTINAL TRACT
	ANATOMY AND PHYSIOLOGY OF HUMAN RESPIRATORY SYSTEM
	PATHOLOGY OF HUMAN RESPIRATORY SYSTEM
	ANATOMY AND PHYSIOLOGY OF CARDIOVASCULAR SYSTEM
	PATHOLOGY OF CARDIO-VASCULAR SYSTEM
	ANATOMY AND PHYSIOLOGY OF HUMAN URINARY SYSTEM
	ANATOMY & PHYSIOLOGY OF HUMAN ENDOCRINE SYSTEM
	PATHOLOGY OF HUMAN ENDOCRINE SYSTEM
MODULE 02	ROUTES OF ADMINISTRATION
	INTRODUCTION TO PHARMACOLOGY
	PHARMACOKINETICS & PHARMACODYNEMIC

MODULE 03	MEDICATIONS USED IN PEPTIC ULCER
	LAXATIVE MEDICATIONS FOR CONSTIPATION
	MEDICATIONS USED FOR DIARRHEA
	REHYDRATION THERAPY & ORS
	MEDICATIONS USED FOR VOMITING AND MOTION SICKNESS
MODULE 04	MEDICATIONS USED FOR ASTHMA AND COPD
	MEDICATIONS USED FOR ALLERGIC DISORDERS
	ANGIOTENSIN CONVERTING ENZYME INHIBITORS (ACEIs)
	ANGIOTENSIN II RECEPTOR BLOCKERS
	CALCIUM CHANNEL BLOCKERS
	ADRENERGIC RECEPTOR BLOCKERS
MODULE 05	MEDICATIONS USED FOR ANGINA
	MEDICATIONS USED FOR CARDIAC-ARRHYTHMIAS
	MEDICATIONS USED FOR CARDIAC FAILURE
	HEMOSTASIS AND THROMBOSIS
	ANTICOAGULANT MEDICATIONS

	ANTIPLATELET MEDICATIONS
	FIBRINOLYTICS AND ANTIFIBRINOLYTICS
	LIPIDS, LIPOPROTEINS & HYPERLIPIDAEMIA
	MEDICATIONS USED FOR HYPERLIPIDAEMIA
	DIURETICS MEDICATIONS
MODULE 06	THYROID GLAND AND RELATED MEDICATIONS
	PANCREAS AND DIABETES MELLITUS
	INSULIN USED FOR DM
	HYPOGLYCEMIC MEDICATIONS FOR DM
	ADRENAL GLAND AND CORTICOSTEROIDS
MODULE 07	ANATOMY AND PHYSIOLOGY OF HUMAN REPRODUCTIVE SYSTEM
	HORMONES RELATED TO HUMAN REPRODUCTIVE SYSTEM
	MEDICATIONS USED FOR HUMAN REPRODUCTIVE SYSTEM
	CONTRACEPTION AND CONTRACEPTIVES

MODULE 08	BONES METABOLIOSM & RELATED HORMONES
	MEDICATIONS FOR METABOLIC BONE DESORDERS
	INFLAMMATION AND ANTI-INFLAMMATORY DISORDERS
	NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (NSAIDs)
	MEDICATIONS FOR RHEUMATOID ARTHRITIS
	MEDICATIONS FOR GOUT ARTHRITIS
	PAIN AND ANALGESICS
MODULE 09	INFECTIONS & ANTI-INFECTIVE MEDICATIONS
	PENICILLIN ANTIBIOTICS
	CEPHALOSPORIN ANTIBIOTICS
	PROTEIN SYNTHESIS INHIBITORS ANTIBIOTICS
	NUCLEIC ACIDS SYNTHESIS INHIBITORS ANTIBIOTICS
	MEDICATIONS FOR VIRAL INFECTIONS
	MEDICATIONS FOR FUNGAL INFECTIONS

	MEDICATIONS FOR PROTOZOAN DISEASES + MALARIA
	MEDICATION FOR HELMINTHIC INFECTIONS
	MEDICATION FOR TUBERCULOSIS (TB)
	MEDICATIONS FOR LEPROSY
MODULE 10	ANESTHETIC MEDICATIONS
	VITAMIN & ESSENTIAL MINERALS
	ANATOMY AND PHYSIOLOGY OF HUMAN NERVOUS SYSTEM
	DRUGS ACTING ON AUTONOMIC NERVOUS SYSTEM
	CENTRAL NERVOUS SYSTEM <ul style="list-style-type: none"> - MEDICATIONS USED FOR SCHIZOPHRENIA - MEDICATIONS USED FOR MANIA - MEDICATIONS USED FOR DEPRESSION - MEDICATIONS USED FOR BIPOLAR DISORDERS - MEDICATIONS USED FOR ANXIETY - MEDICATIONS USED FOR INSOMNIA - MEDICATIONS USED FOR DEMENTIA

	<ul style="list-style-type: none"> - MEDICATIONS USED FOR PARKINSONISM - MEDICATIONS USED FOR EPILEPSY
MODULE 11	POISONS & ANTIDOTE MEDICATIONS
	MEDICATIONS FOR CANCER / CYTOTOXIC MEDICINES
	METHODOLOGY OF CLINICAL TRIALS
	IMMUNIZATION AND NATIONAL IMMUNIZATION PROGRAM
	CKD & DIALYSIS
	PHARMACOPOEIA
	BRITISH NATIONAL FORMULARY
	NATURAL PRODUCTS USED IN PHARMACEUTICAL INDUSTRY
	FORENSIC PHARMACY INTRODUCTION

MODULE 12	MEDICAL ORDINANCE
	NATIONAL MEDICINES AND REGULATORY AUTHORITY ACT AND REGULATION (NMRA ACT & REGULATION)
	POISONS, OPIUM AND DANGEROUS DRUGS ORDINANCE (PODDO)
MODULE 13	INTRODUCTION TO PHARMACEUTICS
	PRESCRIPTIONS RELATED
	SPECIAL DRUG DELIVERY SYSTEMS
	SURGICAL AND MEDICAL DEVICES
	ANTISEPTICS AND DISINFECTANTS
MODULE 14	INTRODCUTION OF PHARMACEUTICAL DOSAGE FORMS
	INTRODUCTION OF SOLID DOSAGE FORMS
	POWDER DOSAGE FORMS
	TABLETS <ul style="list-style-type: none"> - TABLET MANUFACTURING - TABLET TESTING/QC

	<p>CAPSULES</p> <ul style="list-style-type: none"> - HARD GELATIN CAPSULES - SOFT CAPSULES - CAPSULE TESTIN/QC <p>SOPPOSITORIES & PESSARIES</p>
<p>MODULE 15</p>	<p>INTRODUCTION OF LIQUID DOSAGE FORMS</p>
	<p>PHARMACEUTICAL SOLUTIONS</p>
	<p>PHARMACEUTICAL SUSPENSIONS</p>
	<p>PHARMACEUTICAL EMULSIONS</p>
	<p>SEMI-SOLID DOSAGE FORMS</p>
	<p>GAS DOSAGE FORMS</p>
<p>MODULE 16</p>	<p>PHARMACEUTICAL PACKAGING</p>
	<p>STERILIZATION OF PHARMACEUTICALS & STERILE PHARMACEUTICAL PRODUCTS</p>
	<p>PHARMACEUTICALS DEGRADATIONS & STABILITY OF PHARMACEUTICALS</p>

MODULE 17	INTRODUCTION OF UNIT OPERATIONS TO PHARMACEUTICAL INDUSTRY
	PARTICLE SIZE REDUCTION
	MIXING
	DRYING
	FREEZE DRYING
	FILTRATION
	CENTRIFUGATION
	EVAPORATION
	DISTILLATION
	EXTRACTION
MODULE 18	GOOD MANUFACTURING PRACTICES
	GOOD PHARMACY PRACTICES
	PHARMACEUTICAL CALCULATIONS
	RECORD BOOK FILLING
MODULE 19	REVISION
MODULE 20	OSPE & VIVA TRAINING

Faculty Members of the IMHS

Dr. Isuru Wijesinghe (PhD) – "Lead Educator for this Course"

- Senior Lecturer / Director IMHS
- PHD (USA) - Healthcare & Pharmaceutical Sciences
- MSc (USA) - Pharmaceutical Sciences
- BPharm Special (SL)
- Registered in Sri Lanka Medical Council
- LLB (Reading) (SL)
- 15 Years experiences in the field



Mrs. MGEJ Dharmasiri

- Senior Lecturer / Director IMHS
- BPharm (Reading) (SL)
- Diploma in Pharmacy (Proficiency) (SL)
- Registered in Sri Lanka Medical Council
- Chief Pharmacist (Government)
- 14 Years experiences in the field



Dr. Niranga Meegaskada (MBBS)

- **Senior Lecturer IMHS**
- **MBBS (SL)**
- **Senior Medical Officer (Government)**
- **Obstetrics and Gynecology**
- **14 Years experiences in the field**



Dr. P. Rasika Sanjeewa Pathirana (PhD)

- **Senior Lecturer IMHS**
- **PHD (SL) in Plant Molecular genetics**
- **MSc (SL) in Biotechnology**
- **Msater of Arts**
- **B.Sc Molecular Biology & Biochemistry**
- **Diploma in Pharmaceutical Management & Practice**
- **Registered Sri Lanka Medical Council**
- **15 Years experiences in the field**



Mr. V Hari Harshan

- **Senior Lecturer IMHS**
- **MPharm (India)**
- **BPharm Special (India)**
- **Registered in Sri Lanka Medical Council**
- **Head of Formulation Development (SL)**
- **10 Years experiences in the field**



Ms. GWT Madhumali

- **Senior Lecturer IMHS**
- **BSc Nursing (Special) SL**
- **Registered Nurse (Nursing Council, SL)**
- **Nursing officer (Government)**
- **10 Years experiences in the field**



INSTITUTE OF MEDICINE AND
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Assignments & Results

Student Reg. Number	Marks for Assignments																			
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20

INSTITUTE OF MEDICINE AND
HEALTH SCIENCES

Exam & Results (Evaluation Report)

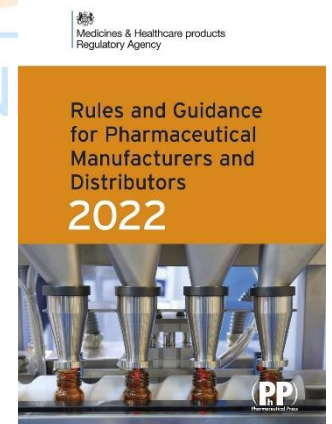
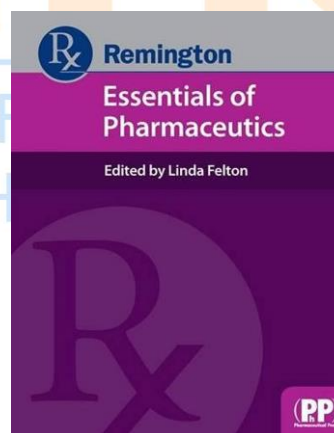
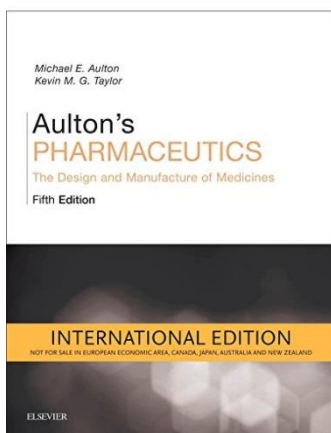
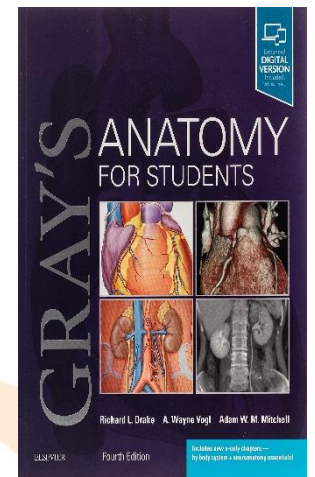
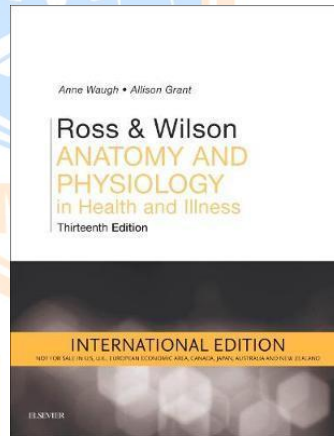
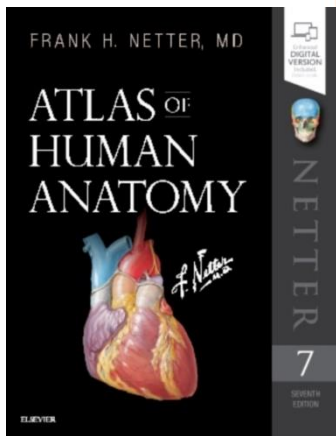
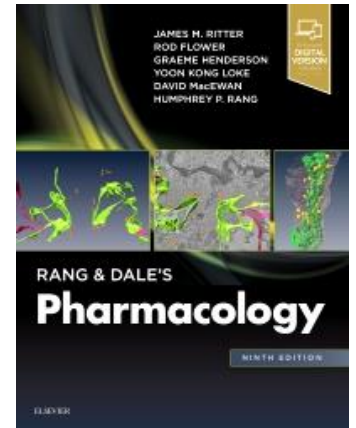
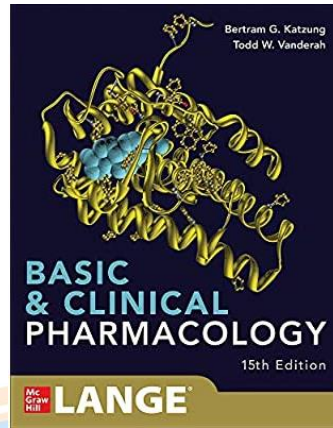
Student Reg. Number	Marks of The Exams				Pass (Yes / No)	Grade (A/B/C/D/E)
	Mid Exam	Final Exam	Average Assignment Mark	Total Marks		

Grade / Achievement Level

Score	Achievement level	Grade
75 -100	Excellent	A
60 – 74	Very Good	B
47 – 59	Good	C
30 -46	Satisfactory	D
1 – 29	Unsatisfactory	E

RECOMMENDED BOOKS

1. BRITISH NATIONAL FORMULARY
2. BASIC & CLINICAL PHARMACOLOGY BY BERTRAM KATZUNG
3. RANG & DALE'S PHARMACOLOGY
4. LIPPINCOTT ILLUSTRATED REVIEWS: PHARMACOLOGY
(LIPPINCOTT ILLUSTRATED REVIEWS SERIES)
5. GOODMAN AND GILMAN MANUAL OF PHARMACOLOGY AND
THERAPEUTICS (GOODMAN AND GILMAN'S MANUAL OF
PHARMACOLOGY AND THERAPEUTICS)
6. ATLAS OF HUMAN ANATOMY, PROFESSIONAL EDITION
7. ROSS & WILSON ANATOMY AND PHYSIOLOGY IN HEALTH AND
ILLNESS
8. GRAY'S ANATOMY FOR STUDENTS
9. AULTON'S PHARMACEUTICS
10. RAMINGTON ESSENTIALS OF PHARMACEUTICS
11. PHARMACEUTICAL MICROBIOLOGY, ESSENTIALS FOR QUALITY
ASSURANCE AND QUALITY CONTROL
12. WHO GUIDELINES ON GMP
13. MHRA GUIDELINES ON GMP



Payment Details

Instalment No	Amount (LKR)
1	3500
2	3500
3	3500
4	3500
5	3500
6	3500
7	3500
8	3500
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About IMHS

IMHS (Institute of Medicine & Health Sciences) was established in 2019 with the aim of facilitating Professional Healthcare Education for the professionals involved in the healthcare sector, students pursuing their studies in Healthcare & Medicine and the members of the general public who wishes to acquire & enhance their knowledge on health education.

Since the inception, over 3000 students have successfully completed the courses offered by IMHS



IMHS currently offers the below Professional programs.

- Diploma In Pharmaceutical Sciences (SLMC Registration)
- Foundation Course On Pharmaceutical
- Advanced Course In Pharmaceutical Manufacturing
- Advanced Course In Pharmaceutical Law & Regulation
- Advanced Course In Hospital & Community Pharmacy Practices
- Full Revision Course – External Pharmacist Examination (SLMC Registration)
- Rapid Revision Course – External Pharmacist Examination (SLMC Registration)
- OSPE & VIVA – External Pharmacist Examination (SLMC Registration)
- English Course For Healthcare Professionals (Medical English Course)

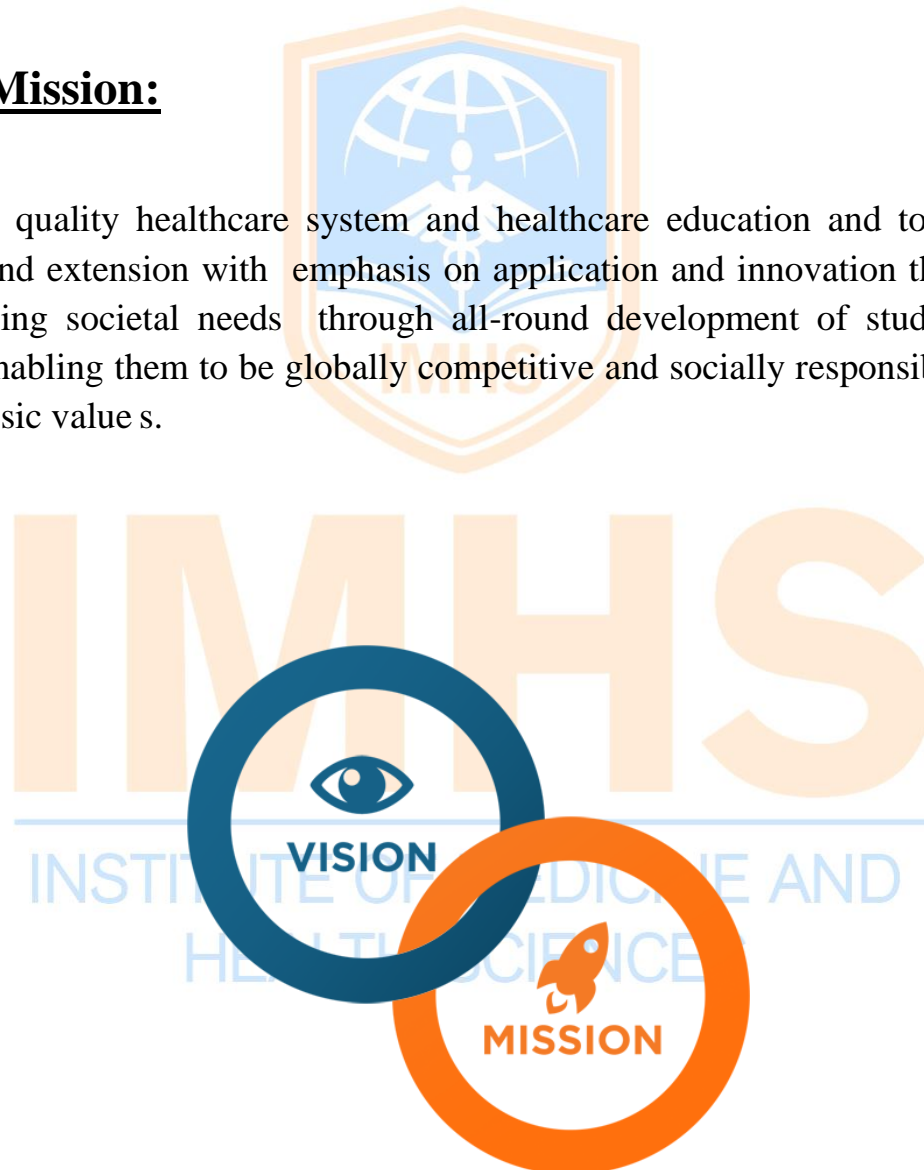
In addition to the above, our management team is tirelessly working on introducing novel program areas in the near future.

IMHS Vision

To be a globally renowned Healthcare Education Provider.

IMHS Mission:

To impart quality healthcare system and healthcare education and to undertake research and extension with emphasis on application and innovation that cater to the emerging societal needs through all-round development of students of all sections enabling them to be globally competitive and socially responsible citizens with intrinsic values.



Chairman's / Managing Director's Message

The Pharmaceutical Industry has been evolving in Sri Lanka and around the world, over the years. Technological advancements, process re-engineering, knowledge sharing & up-skilling have resulted in elevating the overall standards of the industry and its stakeholders.

We established IMHS in 2019, in order to facilitate and share up-to-date knowledge on a number of subject areas within the Pharmaceutical industry. The learned, professional panel of lecturers work tirelessly in developing, further improving & delivering quality course content to students across the subject areas of drug action on diseases, medicine legislation, patient counseling and good pharmaceutical manufacturing practices, to name a few.

By completing our courses successfully, you will be empowered with knowledge and skills related to become a professional in the pharmaceutical industry; may it be in a hospital, a retail or wholesale pharmacy, or even in a pharmaceutical manufacturing facility. Our result-driven subject curriculum & teaching methods will equip you with the required skills and knowledge, for career progressions within and beyond the Pharmaceutical Science industries.

R.M Isuru Gayashan Wijesinghe

Senior Lecturer

PhD in Healthcare & Pharmaceutical Sciences, USA

M.Sc in Pharmaceutical Sciences, USA

BPharm (Special) Sri Lanka, LLB (Reading) SL



Director's Message

Our journey at IMHS started with the aim of developing a center of globally known excellence in Pharmaceutical education in Sri Lanka. Toward achieving this dream, we promote high-quality education and training in pharmaceutical science as well as entrepreneurship and innovation that cater to emerging societal needs.

As a Pharmacist with years of knowledge and experience in the industry, I believe proper knowledge of medicine with good ethics makes our community healthier which is very important for the growth of our country. So, we are committed to creating a learning, innovative, scientific, and carefully planned course curriculum for our students. This will help them gain knowledge of Pharmaceutical industry and relevant skills to claim their professional place in healthcare.

So, I invite you to join us to embark on a meaningful and rewarding career where you can play a part to safeguard health by making quality drugs and imparting knowledge on the safe use of medicines.

M.G.E.J Dharmasiri

Senior Lecturer

BPharm (Reading), Sri Lanka

Diploma in Pharmacy, Sri Lanka

Chief Pharmacist - Government Hospital



IMHS Academic Goals

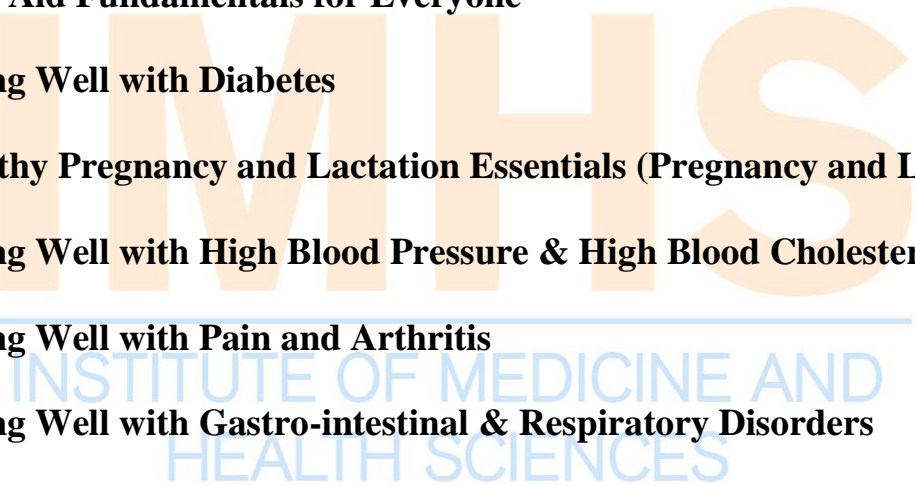
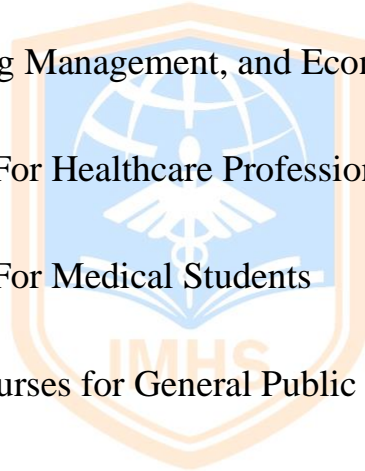
1. To offer a healthcare education pathway to healthcare professionals and the general public with the industrial and global requirements, and enhance the healthcare knowledge of the people.
2. To identify and introduce new education providing areas and incorporate curriculums and arrange relevant education high standard processes to the global.
3. To design and implement an educational system adhering to outcome-based international models
4. To introduce and implement innovation in the teaching and learning process to strengthen academic delivery



IMHS Courses:

- Medication Handling and Safety for Caregivers
- Foundation Course on Pharmaceutical Sciences
 - Certificate Course on Pharmacy Practice (Assistant Pharmacist Course)
 - Certificate Course on “Basics of Pharmaceutical Manufacturing”
 - Advanced Courses on Pharmaceutical Manufacturing
 - Advanced Courses on Pharmaceutical Law and Regulation
 - Advanced Courses on Community Pharmacy Practices
 - Diploma in Pharmaceutical Sciences
- Pharmacists’ Course for Sri Lanka Medical Council (SLMC) registration
- Revision Courses – External Pharmacist Examination (SLMC Registration)
- OSPE & VIVA – External Pharmacist Examination (SLMC Registration)
- Higher Diploma in Pharmaceutical Sciences

- Skill Development for Pharmaceutical Industry Pharmaceutical Manufacturing (Production)
- Skill Development for Pharmaceutical Industry Research & Development
- Skill Development for Pharmaceutical Industry Quality Assurance
- Pharmaceutical Marketing Management, and Economic Insights
- Medical English Course For Healthcare Professionals
- Medical English Course For Medical Students
- Healthcare Education Courses for General Public
 - **First Aid Fundamentals for Everyone**
 - **Living Well with Diabetes**
 - **Healthy Pregnancy and Lactation Essentials (Pregnancy and Location)**
 - **Living Well with High Blood Pressure & High Blood Cholesterol**
 - **Living Well with Pain and Arthritis**
 - **Living Well with Gastro-intestinal & Respiratory Disorders**



Educational Objectives of IMHS

This program has been crafted with the following educational objectives:

1. Knowledge Expansion:

- To broaden the understanding of healthcare professionals, colleagues, and the wider community regarding the intricacies of the pharmaceutical industry and the overall healthcare system.

2. Professional Development:

- To cultivate a workforce that is both knowledgeable and competent, thereby enhancing the quality of personnel within the pharmaceutical sector and healthcare infrastructure.

3. Educational Advancement:

- To establish a structured educational route that guides individuals through the complexities of the pharmaceutical landscape and healthcare services.

4. Career Exploration:

- To spotlight the multitude of vocational opportunities available within the pharmaceutical field and healthcare system, thus informing and inspiring the public about potential career paths.

Each goal is aimed at not only enriching participants with knowledge but also at fostering a more efficient, informed, and prepared community of healthcare practitioners and industry professionals.

IMHS CONVOCATION 2023



IMHS CONVOCATION 2022



IMHS GET-TOGETHER



IMHS INSTITUTE OF MEDICINE AND HEALTH SCIENCES **Get Together** SUNDAY, 25TH SEPTEMBER, 2022



IMHS INSTITUTE OF MEDICINE AND HEALTH SCIENCES **Get Together** SUNDAY, 25TH SEPTEMBER, 2022



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IMHS INSTITUTE OF MEDICINE AND HEALTH SCIENCES **Get Together** SUNDAY, 25TH SEPTEMBER, 2022

IMHS HELPING HANDS PROGRAM



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Pharmaceutical, Nursing, Medical Delegates, Care Giving

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Continuing
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 Development
CPD

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