

## **BALLSBRIDGE UNIVERSITY**

### **College of Physicians and Surgeons/BUCPS**

#### **Master of Medicine in General Surgery/Distance Learning**

##### **The Perspective:**

There are over one hundred districts in Liberia Only the districts with Regional towns and the few districts surrounding those have got Surgeons.

Trauma is very much on the increase, mainly due to road traffic crushes and missile injuries. These two do not necessarily occur near towns. Very little is known of the epidemiology of the common surgical disease in Liberia.

The Master of Medicine in General Surgery training program is aimed at providing a thorough grounding in Clinical Surgery to produce future medical teachers, researchers and consultants in Liberia in particular and the region as a whole. As with similar higher surgical qualifications elsewhere, the degree is taken as an index of suitability for continuing training, rather than conferring the right of implying adequacy for immediate promotion to consultant status.

##### **The Graduate:**

- ✚ The program is designed to pass out those surgeons in training who have a broad knowledge of surgical problems in general and who are capable of recognizing and dealing safely and efficiently with the whole range of surgical conditions, which may be handled by the Trainee Surgeons.
- ✚ The Trainee should have the basic surgical skills, which are essential in confidently handling emergency surgical admissions independently, and deal with life threatening situations from traumatic and other critical diseases.
- ✚ The Trainee Surgeon should be able to accurately diagnose and plan management of a wide variety of surgical diseases even in situations where investigative and/or therapeutic facilities are limited.
- ✚ The trainee should have sufficient knowledge in those aspects of regional and radiological anatomy that are relevant to clinical and operative surgery.
- ✚ He/She is expected to have knowledge in some details of both histological and intracellular anatomy.

- ✚ He/She is expected to know the general principles and should have a more detailed knowledge of those aspects of embryology and genetics, which are valuable in the understanding of the pathogenesis of the common correctable congenital anomalies.
- ✚ The trainee is required to understand the basic principles underlying disease processes. He/She must have an understanding of the General Pathology, including the principles of Immunology.

### **Program Objectives:**

To provide Surgeons who are well grounded in the Science and Art of Surgery who will in turn provide:

- ✚ Quality care for patients under their care
- ✚ Quality research on prevention and management of surgical diseases
- ✚ Quality teaching of Surgery to fellow Surgeons, other health workers, and medical students in particular and the public in general

### **Admission Requirements:**

Candidates must have a good MBChB or its equivalent from a recognized University.

### **Specific:**

- Academic excellence as judged by official transcripts.
- Ability to apply cognitive knowledge in a practical fashion based on comparative recommendations by those who have previously taught and/or supervised the candidate.
- Evidence of an outstanding attitude and the highest levels of ethical behavior.
- Certificate of good standing from Registration Board of Country of Resident.

### **Application Procedure:**

All applicants for postgraduate diplomas and higher degrees have to satisfy the requirements of the relevant courses and University regulations. Application forms may be obtained from the School of Postgraduate studies after payment of an application fee at the, Ballsbridge University Bank Account. Applicants should contact the Director, Application should be found on the website of BU.

Unless otherwise stated, all applications are made year-round of each academic year. All completed application forms must be accompanied by relevant copies of certificates and certified copies of academic transcripts. Forms, which are not completed properly, cause delays in processing of applications.

**Program Duration:**

The three-year course of study extends for six and two Recess terms consecutive semesters. Each academic year is composed of two semesters of 17 weeks each (fifteen for study and two for examinations) followed by a recess term of 10 weeks (8 for study and 2 for examinations). One to two additional semesters may be required to make up for deficiencies.

**Program Structure:**

There is an academic course, which is defined as a semester of structured seminars. Ten successive independent courses are given sequentially and then repeated.

There are Clinical Courses, where a semester assigns a Senior House Officer or Register to one of the Teaching Firms **at ESTHER AND JERELINE MEDICAL REFERRAL CENTER GANTA LIBERIA WEST AFRICA.**

**Dissertation:**

The findings of original supervised research are presented as part of the **M.Med (Surgery)** Course. The research has to conform to the ethical norms of clinical studies and the student has to present a satisfactory dissertation at least two months before she/he can sit the final Clinical Course examinations.

**Study Load:**

A total of 82 Credit Units must be accumulated for successful completion of the Master of Medicine in General Surgery.

**Course Outline:**

<b>Semester I</b>	<b>LH</b>	<b>TH</b>	<b>PH</b>	<b>CH</b>	<b>CU</b>
MMS 7102 Surgical Anatomy of the Limbs	15	30	30	45	3
PHY 7103 Advanced Cardiovascular, blood, Renal, Respiratory & Gastro Intestinal Nutritional Physiology plus Physiology of Exercise	15	30	30	45	3

PAT 7104 Surgical Pathology/Microbiology of the CVS, RS & GIT	15	18	9	45	3
PAT 7105 Applied Anatomy of the Trunk	30	30	30	60	4
<b>TOTAL</b>					<b>13</b>

<b>Semester II</b>	<b>LH</b>	<b>TH</b>	<b>PH</b>	<b>CH</b>	<b>CU</b>
CHS 7201 Epidemiology, Biostatistics & Research Methods	30	40	20	60	4
MSH 7201 Clinical Anatomy of the Head & Neck	30	15	15	30	2
MSH 7202 Neurosurgical Anatomy	30	15	15	45	3
PHY 7201 Advanced Endocrinology and Reproductive Physiology	30	15	15	45	3
MMS 7101 Surgical Oncology & Immunology	30	15	15	45	3
<b>TOTAL</b>					<b>15</b>

<b>Recess Term</b>					
HSM 7301 Health Systems Management	30	30	30	60	4
MMS 7302 Principles of Surgery and Surgical Critical care	45	30	30	75	5
<b>TOTAL</b>					<b>9</b>

<b>YEAR 2</b>					
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<b>Semester I</b>	<b>LH</b>	<b>TH</b>	<b>PH</b>	<b>CH</b>	<b>CU</b>
MMS 8101 Abdominal Surgery I	45	30	30	75	5
MMS 8102 Abdominal Surgery II	45	30	30	75	5
					<b>10</b>

<b>Semester II</b>					
MMS 8201 Orthopedics & Traumatology	45	30	30	75	5
MMS 8202 Plastic & Vascular Surgery	45	30	30	75	5
					<b>10</b>

<b>Recess Term</b>					
MMS 8301 Paediatric Surgery	30	30	30	75	5
MMS 8302 Head, Neck & Endocrinology	30	30	30	75	5



Total

500 marks maximum

❖ % Final Grade

A candidate must receive 50% of the marks on each of the four parts of the progressive assessment to pass.

**Teaching Facilities:**

The Ballsbridge university Library online at the College of Health Sciences is well-stocked with new and old literature. There are tutorial rooms, lecture rooms, ICT facilities, out-patient clinics and wards will be uploaded and for final surgical rotation **ESTHER AND JERELINE MEDICAL CENTER GANTA NIMBA COUNTY LIBERIA WEST AFRICA IS A CENTER FOR 6 MONTHS SURGICAL ROTATION**. All these provide a conducive environment for the student to learn, both the theory Distance and the practice in Teaching Hospital.

Prof .Dr Peter M George

Den Liberia Academy of Medical Technology

