

Diploma in Sanitary Science (Full-time) - SC231 (Under Review)

1. Context and Objectives

The teaching of Diploma in Sanitary Science programme aims at producing sanitary science officers with a thorough grounding in the field of Environmental Health. Topics related to hygiene, law, medical and paramedical fields will be considered.

Emphasis will also be placed on the personal development of students towards acquiring professional competence and a sense of community responsibility.

2. Learning outcomes

By the end of this programme, graduates will have developed knowledge, abilities and skills in:

- differentiating between bacterial food poisoning and non-bacterial food poisoning,
- explaining control measures on how to prevent food poisoning,
- appreciating the need for safe procedures at all points along the food production and handling chains and to understand risk assessment procedures,
- developing basic research and analytical skills such as evaluation of relevant literature and application of appropriate statistical tests,
- analysing managerial practice in public health sector,
- evaluating the role of health & hygiene in communicable and non-communicable diseases,
- understanding the role of health inspectors and the legal framework governing food safety, public health laws and court proceedings,
- evaluating the procedures for maintaining workplace sanitation and safety.

3. Teaching and Learning methods

This programme will be covered by lectures, self-study, tutorials, online activities, student led seminars and other learning activities such as field trips, group work, flipping classroom and active learning.

4. Entry Requirements

General Entry Requirements

As per General Entry Requirements for admission to the University for diplomas.

Programme Requirements

General Certificate of Education ('O' Level), which shows passes in English Language and in four other subjects, including a science subject.

5. Programme Duration

	Normal	Maximum
Diploma:	4 Semesters (2 years)	6 Semesters (3 years)

6. Minimum LCCS credits Required:

Minimum LCCS credits required for award of Diploma: 122

For Exit award

The student can exit the programme with a certificate in Sanitary Science after having earned 60 LCCS credits.

For each Academic Year

Year of Study	Number of LCCS credits (Notional Learning Hours)
1	60 (1800)
2	62 (1860)
Total	122 (3660)

Maximum LCCS credits per year (including Retake Modules, but excluding Exempt Modules) - 96
Minimum LCCS credits per year - 12

Breakdown of notional learning hours

The total notional learning hours for the 2 years full time programme will be comprised of the following:

Learning activity	Notional Learning Hours
Contact teaching	530
Self-study	1060
Other learning	2070
Total	3660

7. Assessment and Deadlines

Each module will carry 100 marks and will be assessed yearly as follows (unless otherwise specified):

Continuous assessment will carry 40% of total marks while written examination will account for 60%. Continuous assessment can be based on case studies/reports/Field visits/assignments/activities and should include at least 1 class test.

An overall of 40% for combined continuous assessment and written examination component would be required to pass a module.

The following modules will be examined by a **2 hr written exam paper**:

Year 1

DSS 1130 and DSS 1220.

Year 2

DSS 2110; DSS 2120; DSS 2130 and DSS 2220.

The following pairs of modules will be assessed jointly by a **3-hour written examination**:

Year 1

DSS 1110 and DSS 1140
 DSS 1120 and DSS 1250
 DSS 1210 and DSS 1240
 DSS 1150 and DSS 1230

Year 2

DSS 2210 and DSS 2240
 DSS 2140 and DSS 2230

8. List of Modules

YEAR 1	
SEMESTER I	
Code	Module Names
DSS 1110	Medical Microbiology/Parasitology & Medical Entomology
DSS 1120	General Environmental Sanitation
DSS 1130	Human Anatomy & Physiology
DSS 1140	Introduction to Food Hygiene
DSS 1150	Medical and Health Statistics
DSS 1210	Public Health Administration & Organisation
SEMESTER II	
DSS 1220	Prevention and Control of Communicable and Non-Communicable Diseases
DSS 1230	Basic Computing and Bio-information Science
DSS 1240	Water Supply
DSS 1250	Waste Management and Disposal
YEAR 2	
SEMESTER I	
DSS 2110	Community Health
DSS 2120	Industrial Hygiene
DSS 2130	Food Microbiology
DSS 2140	Meat, Poultry and Fish Hygiene
SEMESTER II	
DSS 2210	Dairy Products and Food Inspection
DSS 2220	Professional Studies
DSS 2230	Food Processing, Hygiene and Safety
DSS 2240	Law, Practice of Food Safety and Public Health Laws
DSS 2250	Project

9. Programme Plan - Diploma in Sanitary Science

YEAR 1						
SEMESTER I						
Code	Module Name	Contact Teaching (Hours)	Self Study (hours)	Other Learning Activities (Hours)	Total Learning	LCCS credits
DSS 1110	Medical Microbiology/Parasitology & Medical Entomology	30	60	90	180	6
DSS 1120	General Environmental Sanitation	30	60	90	180	6
DSS 1130	Human Anatomy & Physiology	30	60	90	180	6
DSS 1140	Introduction to Food Hygiene	30	60	90	180	6
DSS 1150	Medical and Health Statistics	30	60	90	180	6
SEMESTER II						
DSS 1210	Public Health Administration & Organisation	30	60	90	180	6
DSS 1220	Prevention and Control of Communicable and Non-Communicable Diseases	30	60	90	180	6
DSS 1230	Basic Computing and Bio-information Science	30	60	90	180	6
DSS 1240	Water Supply	30	60	90	180	6
DSS 1250	Waste Management and Disposal	30	60	90	180	6
Subtotal for Year 1		300	600	900	1800	60
YEAR 2						
SEMESTER I						
Code	Module Name	Contact Teaching (Hours)	Self Study (hours)	Other Learning Activities (Hours)	Total Learning	LCCS credits
DSS 2110	Community Health	30	60	90	180	6
DSS 2120	Industrial Hygiene	30	60	90	180	6
DSS 2130	Food Microbiology	30	60	90	180	6

DSS 2140	Meat, Poultry and Fish Hygiene	30	60	90	180	6
DSS 2250	Project	-	-	-	-	-
SEMESTER II						
DSS 2210	Dairy Products and Food Inspection	30	60	90	180	6
DSS 2220	Professional Studies	20	40	60	120	4
DSS 2230	Food Processing, Hygiene and Safety	30	60	90	180	6
DSS 2240	Law, Practice of Food Safety and Public Health Laws	30	60	90	180	6
DSS 2250	Project	-	-	480	480	16
Subtotal for Year 2		230	460	1170	1860	62
GRAND TOTAL (Year 1 & Year 2)		530	1060	2070	3660	122

In-service training: (During University Vacation time)

During the long vacation periods, at the end of each academic year, students will be placed for training over a total period of at least 6 weeks at Public Health Institutions/ laboratories and other resource units. At the end of the training period, the student should submit a report on his/her training to the respective course coordinators and Chief Health Sanitary Officer.