**BSc (Hons) Food Hygiene and Environmental Health [Top-Up Programme] – A401/15**

## 1. Introduction and Rationale

The BSc (Hons) Food Hygiene and Environmental Health is a trans-disciplinary programme designed to provide graduates with the skills necessary to analyse and evaluate food, environmental and public health problems in scientific, technical and managerial terms. The programme is meant for holders of a Diploma in Sanitary Science/Environmental Science/ Environmental Health or in any relevant field.

It is designed to provide academic progression through all the levels and strands, to produce a graduate with a comprehensive education and a wide range of skills applicable to practise in environmental health, food control and allied professions. Increasingly, opportunities exist in private sectors and consultancies in the areas of food safety, environmental protection and occupational health and safety. It also provides opportunities for postgraduate studies in related fields.

## 2. Objectives

**By the end of this programme, graduates will have developed knowledge and skills to:**

- identify potential hazards and assess their impacts in food, water and environmental systems
- apply principles of risk analysis with respect to food safety and environmental hazards
- carry out laboratory analyses on physical, chemical and microbiological parameters in food, water and the environment
- explain the principles underlying common methods of food preservation and describe common food processing technologies employed in food manufacture
- apply measures to conduct surveillance and promote health
- conduct environmental/sanitary inspections
- evaluate the key concepts underpinning waste management and environmental pollution
- familiarise with various environmental assessment techniques
- interpret and apply legislation related to food, public health and environment
- integrate strategic management skills into professional practice
- demonstrate transferable skills namely written and oral communication, team working, problem solving and IT skills

## 3. General Entry Requirements

In accordance with General Entry Requirements for Admission to the University for Undergraduate Degrees.

## 4. Programme Requirements

A Diploma in Sanitary Science /Environmental Science/ Environmental Health or in any relevant field.

## 5. Programme Duration

| | Normal (Years) | Maximum (Years) |
|---|---|---|
| Degree | 2 | 4 |

**6. Credits per semester:** Minimum 3 credits, Maximum 24 credits subject to Regulation 5.

**7. Minimum Credits Required for the Award of the undergraduate Degree: 46**

Breakdown is as follows:

| | Credits from | | | | |
|---|---|---|---|---|---|
| | **Core Taught Modules** | **Project** | **Electives** | **GEMs** | **Total** |
| Degree | 37 | 9 | - | - | **46** |

## 8. Assessment

Each module will be assessed over 100 marks (i.e. expressed as %) with details as follows (unless otherwise specified).

Assessment of each module will be based on a Written Examination of 2-3 hour duration, carrying a weighting of 70%, and Continuous Assessment carrying 30% of total marks. Continuous Assessment will be based on laboratory/field works, and/or assignments, and should include at least 1 class test.

An overall total of 40% for combined continuous assessment and written examination components would be required to pass the module, without minimum thresholds within the individual continuous assessment and written examination.

Modules will carry either 3 or 4 credits except the project which carries 9 credits.

Written examinations for all the modules will be carried out at the end of the semester except for AGRI 3211Y "Scientific Communication Methods and Skills" and AGRI 4213Y(5)Y "Food and Environment Control Systems" modules which will be assessed at the end of academic year. "Scientific Communication Methods and Skills" and "Occupational Safety and Health" modules will be assessed solely by continuous assessment in the form of portfolio/reports.

**Submission Deadlines for Dissertation**:

- First Draft: By last week day of February of the Academic Year
- Final Copy: Three copies of the dissertation (two spiral-bound copies and one soft copy in a single PDF text file on electronic storage media) should be submitted to the Faculty/Centre Registry and **in addition, a soft copy of the dissertation in a single PDF text file should be uploaded on the "*'Turnitin' Platform*", in the final assignment submission link indicated by the Programme/Project Coordinator.** All of the above should be submitted not later than the last week day of March of the academic year by 4.00 p.m. at latest.

**9. List of Modules**

| Code | Module Name | Hr / Yr L+P | Credits |
|---|---|---|---|
| AGRI 3104(5) | Environmental Health | 30+30 | 3 |
| AGRI 3107(5) | Processing of Food | 30+30 | 3 |
| AGRI 3108(5) | Human Nutrition | 45+0 | 3 |
| AGRI 3206(5) | Statistics and Research Design | 30+30 | 3 |
| AGRI 3209(5) | Food and Environmental Microbiology | 30+30 | 3 |
| AGRI 3210(5) | Quality Management for Food Industries | 45+0 | 3 |
| AGRI 4000(5) | Project | | 9 |
| AGRI 4106(5) | Food Inspection and Analysis | 30+30 | 3 |
| AGRI 4211(5) | Environmental pollution and waste management | 45+30 | 4 |
| AGRI 4212(5) | Environmental assessment strategies | 30+30 | 3 |
| AGRI 4213Y(5) | Food and Environment Control Systems | 45+0 | 3 |
| AGRI 4214(5) | Food Safety and Food Hygiene | 45+30 | 4 |
| | | | |
| AGRI 1100 | Occupational Safety and Health | 15+0 | 1 |
| AGRI 2130 | Scientific Communication Methods and Skills | 35+0 | 1 |

**10. Programme Plan – BSc (Hons) Food Hygiene and Environmental Health [Top-Up Programme (P/T)]**

**YEAR 1**

| Code | Module Name | Hr / Yr L+P | Credits |
|---|---|---|---|
| **Semester 1** | | | |
| AGRI 1100 | Occupational Safety and Health | 15+0 | 1 |
| AGRI 3104(5) | Environmental Health | 30+30 | 3 |
| AGRI 3107(5) | Processing of Food | 30+30 | 3 |
| AGRI 3108(5) | Human Nutrition | 45+0 | 3 |
| **Semester 2** | | | |
| AGRI 3206(5) | Statistics and Research Design | 30+30 | 3 |
| AGRI 3209(5) | Food & Environmental Microbiology | 30+30 | 3 |
| AGRI 3210(5) | Quality Management for Food Industries | 45+0 | 3 |
| | | | |
| AGRI 2130 | Scientific Communication Skills and Methods | 35+0 | 1 |

**YEAR 2**

| Code | Module Name | Hr / Yr L+P | Credits |
|---|---|---|---|
| **Semester 1** | | | |
| AGRI 4212(5) | Environmental Assessment Strategies | 30+30 | 3 |
| AGRI 4214(5) | Food Safety and Food Hygiene | 45+30 | 4 |
| **Semester 2** | | | |
| AGRI 4000(5) | Project | | 9 |
| AGRI 4106(5) | Food Inspection and Analysis | 30+30 | 3 |
| AGRI 4211(5) | Environmental Pollution and Waste Management | 45+30 | 4 |
| | | | |
| AGRI 4213Y(5) | Food and Environment Control Systems | 45+0 | 3 |

**Total Number of Credits: 46**