## Module Catalogue Life Sciences Postgraduate Study Abroad with Internship 2024/5 Semester 2

## Please note, postgraduate students can take modules relating to their degree course only

As part of the Internship programme all students must take three modules per semester, including the following module in either Semester 1 or 2:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 5BUSS005X | [Professional and Personal Skills Development](#5BUSS005X) | Level 5 | Semester 1 or 2 | 20 | US Credits 4 / ECTS credits 10\* |

If you choose to take the Internship option this semester, then you are able to take two free-choice modules in addition to the above module. Please note that the above module carries Undergraduate credit.

| **Module Code** | **Module Name** | **Level** | **Semester** | **UK Credit Value** | **Credit Equivalency** |
| --- | --- | --- | --- | --- | --- |
| **Life Sciences** | | | | | |
| 7BIOM012W | [Clinical Endocrinology and Metabolism](#7BIOM012W) | 7 | Semester 2 | 20 | US Credits 4 / ECTS credits 10\* |
| 7BIOM018W | [Immunohaematology & Haemostasis](#7BIOM018W) | 7 | Semester 2 | 20 | US Credits 4 / ECTS credits 10\* |
| 7BIOM023W | [Infectious Diseases and Public Health](#7BIOM023W) | 7 | Semester 2 | 20 | US Credits 4 / ECTS credits 10\* |
| 7BIOM037W | [Systems Biology](#7BIOM037W) | 7 | Semester 2 | 20 | US Credits 4 / ECTS credits 10\* |
| 7BIOM039W | [Advanced Molecular Biology](#7BIOM039W) | 7 | Semester 2 | 20 | US Credits 4 / ECTS credits 10\* |
| 7BIOT004W | [Science, Technology and Commercialisation](#7BIOT004W) | 7 | Semester 2 | 20 | US Credits 4 / ECTS credits 10\* |
| 7HMNT016W | [Global Challenges in Food and Health](#7HMNT016W) | 7 | Semester 2 | 20 | US Credits 4 / ECTS credits 10\* |
| 7HMNT022W | [Global Approaches to Health and Well-Being](#7HMNT022W) | 7 | Semester 2 | 20 | US Credits 4 / ECTS credits 10\* |
| 7HMNT025W | [Policy and Practice of Social Prescribing and Well-Being](#7HMNT025W) | 7 | Semester 2 | 20 | US Credits 4 / ECTS credits 10\* |

\* All transcripts are issued in UK credits. Please note the recommendation of a 4 US credit value equivalency is provided as guidance. Final credit values for all modules for US students are decided by your home institution and will be dependent on its credit transfer policies.

## Internship Module

#### Professional and Personal Skills Development

**Module Code: 5BUSS005X**

**Level 5**

**Semester 1 or 2**

**Location: Marylebone**

**UK Credit Value: 20**

**Equivalent Credit Value: US Credits 4 / ECTS credits 10\***

Internship Programme Information: You can apply for a study abroad internship as part of a single semester or year-long study abroad programme at the University of Westminster, but the maximum duration of the internship is one semester. Alongside your academic studies, you will be expected to work 14 hours over two to three days per week in your internship. Internships are part-time and run for 12 weeks, until the end of the teaching period.   
  
Module Description: The module is designed to allow you to draw upon your experience in the workplace in order to reflect on (and to challenge) your behaviours, attitudes and assumptions at work. This greater self-awareness will help you to appreciate differences in cultural and ethical working practices. The module uses coaching tools to help you to discover your own solutions to issues, thus developing you as an ‘independent’ self-reliant learner and increasing your resilience. The module also fosters the development of your analytical thinking skills by applying relevant theory and concept to your work experiences. Your learning and practical experience is designed to enable you to reflect on both your work and learning so that you can articulate your global skills set to future employers.   
  
A reminder that that this module carries Undergraduate credit.   
**Assessment:** Individual Oral Presentation (25%), Individual Reflective Learning Log (25%), Essay (50%)   
\*All transcripts are issued in UK credits.

## Life Sciences

### Clinical Endocrinology and Metabolism

[**Module Code: 7BIOM012W**](#7BIOM012W_return)

**Level 7**

**Semester 2**

**Location: Cavendish**

**UK Credit Value: 20**

**Equivalent Credit Value: US Credits 4 / ECTS credits 10\***

An in depth study of the aetiology, pathogenesis and laboratory investigation of selected metabolic and endocrine disorders. To include diabetes mellitus and hypoglycaemia, lipids and lipoproteins, bone disease, reproductive disorders, thyroid function and the adrenal disorders. The module will explore evidence-based guidelines, current practice and novel approaches to the assessment and monitoring of individuals.  
**Assessment:** Portfolio (100%)  
\*All transcripts are issued in UK credits.

### Immunohaematology & Haemostasis

[**Module Code: 7BIOM018W**](#7BIOM018W_return)

**Level 7**

**Semester 2**

**Location: Cavendish**

**UK Credit Value: 20**

**Equivalent Credit Value: US Credits 4 / ECTS credits 10\***

This module will cover clinically important blood group systems and laboratory techniques used to identify blood group antigens and antibodies, and to ensure safety of blood components for transfusion and transplantation. In addition the various components of the haemostasis system will be discussed together with clinical disorders leading to increased risk of bleeding or thrombosis. Anticoagulant therapy and relevant laboratory techniques for investigation of haemostasis will also be covered.  
**Assessment:** Presentation (50%), Lab-Based Practical (50%)  
\*All transcripts are issued in UK credits.

### Infectious Diseases and Public Health

[**Module Code: 7BIOM023W**](#7BIOM023W_return)

**Level 7**

**Semester 2**

**Location: Cavendish**

**UK Credit Value: 20**

**Equivalent Credit Value: US Credits 4 / ECTS credits 10\***

Transmission and epidemiology of communicable diseases and the influence of mode of transmission, Outbreaks and epidemics, including emergence, control and the role of vaccines, therapeutics and intervention strategies, Epidemiology, pathogenesis and laboratory diagnosis of selected infectious diseases with focus on those which are new or topical, Use of new technologies for the characterisation of pathogens and their detection.  
**Assessment:** Coursework Practical (50%), Presentation Group- submissions only (50%)  
\*All transcripts are issued in UK credits.

### Systems Biology

[**Module Code: 7BIOM037W**](#7BIOM037W_return)

**Level 7**

**Semester 2**

**Location: Cavendish**

**UK Credit Value: 20**

**Equivalent Credit Value: US Credits 4 / ECTS credits 10\***

This module will introduce the theoretical and practical underpinnings of systems biology. The emphasis is on studies of entire systems assisted by the use of bioinformatics and how the knowledge from these may be applied to medicine. The module will examine databases and other resources as well as discuss  key issues to the studies of entire systems.   
**Assessment:** Essay (50%), Coursework Practical (50%)  
\*All transcripts are issued in UK credits.

### Advanced Molecular Biology

[**Module Code: 7BIOM039W**](#7BIOM039W_return)

**Level 7**

**Semester 2**

**Location: Cavendish**

**UK Credit Value: 20**

**Equivalent Credit Value: US Credits 4 / ECTS credits 10\***

Large databases yield information about DNA, RNA and protein variation between individuals and species and bioinformatics is a crucial component of molecular biology. Polymorphisms, epigenetics and microRNA have all greatly enhanced our knowledge about regulation of gene expression. This module will look at applications of a range of advanced molecular techniques such as next generation sequencing, microarrays, quantitative and multiplex PCR alongside our knowledge of OMICS databases.  
**Assessment:** Presentation (50%), In-Class Test/Assignment exam conditions (50%)  
\*All transcripts are issued in UK credits.

### Science, Technology and Commercialisation

[**Module Code: 7BIOT004W**](#7BIOT004W_return)

**Level 7**

**Semester 2**

**Location: Cavendish**

**UK Credit Value: 20**

**Equivalent Credit Value: US Credits 4 / ECTS credits 10\***

The module provides information on the scope of commercial biotechnology, starting and financing a company, the role of intellectual property protection, writing a business plan and communicating business ideas, assessing projects, managing a company, managing company finances, and coping with industrial safety legislation and regulatory requirements.  
**Assessment:** Presentation (25%), Coursework (75%)  
\*All transcripts are issued in UK credits.

### Global Challenges in Food and Health

[**Module Code: 7HMNT016W**](#7HMNT016W_return)

**Level 7**

**Semester 2**

**Location: Cavendish**

**UK Credit Value: 20**

**Equivalent Credit Value: US Credits 4 / ECTS credits 10\***

This modulewill explorethe many challenges to sustainable,safe and equitable food supplies. Different conceptual frameworks, such as food security and food regimes, will be compared with food providing a lens to examine the contributions of different academic disciplines in developing multi-sectoral actions. The role of the UN, government and private sectors actors in relation to food production, trade, access and consumption will be examined while current policies to establish safe and equitable food supplies will also be discussed.  
**Assessment:** Presentation Group (30%), Coursework (70%)  
\*All transcripts are issued in UK credits.

### Global Approaches to Health and Well-Being

[**Module Code: 7HMNT022W**](#7HMNT022W_return)

**Level 7**

**Semester 2**

**Location: Cavendish**

**UK Credit Value: 20**

**Equivalent Credit Value: US Credits 4 / ECTS credits 10\***

This module will explore recent advances in evidence-based integrative medicine. A broad range of both Western and non-Western approaches to health and wellbeing will be evaluated which will be based around diet, exercise, therapies and activities. These approaches will focus particularly on chronic disease, long-term illness and aging. The module will include appraisal of the validity for the integration of these interventions and modalities.  
**Assessment:** Coursework (70%), Coursework (30%)  
\*All transcripts are issued in UK credits.

### Policy and Practice of Social Prescribing and Well-Being

[**Module Code: 7HMNT025W**](#7HMNT025W_return)

**Level 7**

**Semester 2**

**Location: Cavendish**

**UK Credit Value: 20**

**Equivalent Credit Value: US Credits 4 / ECTS credits 10\***

This module focuses on the evidence-based research which has informed key UK policy development in health and wellbeing.?The evidence for the impact of Social Prescribing and Wellbeing on individuals and communities will be evaluated, also considering critics of this field. International applications of Social Prescribing across different health systems and the key roles of professionals delivering Social Prescribing will be discussed. The module will explore concurrent development and implementation of inclusivity legislation, and its effect on health and wellbeing.  
**Assessment:** Presentation (50%), Coursework (50%)  
\*All transcripts are issued in UK credits.