Module Details	
Module Title	Pathophysiological Basis of Chronic Disease
Module Code	BIS7024-B
Academic Year	2023/4
Credits	20
School	School of Chemistry and Biosciences
FHEQ Level	FHEQ Level 7

Contact Hours	
Type	Hours
Lectures	18
Practical Classes or Workshops	9
Directed Study	173

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 2

Module Aims

To understand the:

Functional anatomy of the main organ systems such as the cardiovascular, renal systems.

Pathophysiology of age-related chronic diseases such as diabetes, bronchitis,cardiovascular disease.

Cellular basis of therapeutics.

Outline Syllabus

To study the theoretical knowledge relating to physiological function, as well as the identification of the pathophysiological basis of related diseases and the rationale for cell specific pharmacological intervention.

Learning Outcomes

Outcome Number	Description
O1	Demonstrate a systematic understanding of the mechanisms controlling the normal physiological function of the organ systems.
O2	Demonstrate a systematic understanding of pathophysiology of selected diseses such as diabetes, hypertension, heart failure, osteoarthritis, bronchitis, and renal failure.
O3	Demonstrate a systematic understanding of the cellular basis of targeted pharmacological intervention in disease.
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Learning, Teaching and Assessment Strategy

The module will be taught by a combination of lectures, case studies and workshops to facilitate an in-depth understanding of the core topics related to human disease.
Summative assessment will be based on coursework elements in the form of workshops on core topics covered in the module.

Mode of Assessment

Type	Method	Description	Weighting
Summative	Coursework - Written	Production of a poster	50%
Summative	Coursework	Review	50%
Formative	Coursework - Written	Critical Review	N/A

Reading List

To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html

Please note:
This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.