

Module Details	
Module Title	Laboratory and Study Skills for Clinical Sciences/Medicine
Module Code	CLS4006-B
Academic Year	2021/2
Credits	20
School	School of Pharmacy and Medical Sciences
FHEQ Level	FHEQ Level 4

Contact Hours	
Type	Hours
Lectures	3
Laboratories	19.5
Tutorials	24.5
Directed Study	153

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Academic Year

Module Aims
<ul style="list-style-type: none"> * To introduce students to essential laboratory and study skills for Clinical Sciences and related healthcare professions. * To develop processes in logical thinking and reflective analysis. * To facilitate the development of the basic numeracy skills required by health care professionals.

Outline Syllabus
<p>==Laboratory skills== Health and safety aspects, record keeping and report writing, observation and analysis, concepts of accuracy and precision, sample preparation and dilutions, pH titrations and simple buffers, use of calibration curves for analytical spectroscopy, and gel electrophoresis.</p> <p>==Anatomical skills== SI Units, standard expressions of medication strength and conversion between them. Calculation of ideal body weight and body surface area. Calculation of individualised dosages and drug infusion rates.</p>

Learning Outcomes	
Outcome Number	Description
01	Show effective practical laboratory techniques and study skills for Clinical Sciences.
02	Describe, and convert between, the different units of measurement used in health care.
03	Perform essential laboratory techniques.
04	Produce scientific reports.
05	Express and convert concentrations and perform calculations relevant in health care.
06	Understand and describe the anatomy of the human skeletal system.

Learning, Teaching and Assessment Strategy
<p>Study and laboratory skills will be delivered through practical classes, workshops, supported by lectures, staff-led tutorials and formative assessments. During directed study hours, you are expected to undertake relevant reading to consolidate your learning of the syllabus; to prepare for formative assessments, practicals and tutorials; to revise material for summative assessments and to undertake group-work for the problem-based learning case studies. This year we will be using a blended approach to facilitate your learning. This will include synchronous and asynchronous lectures and workshops and face-to-face teaching sessions. All learning materials and resources will be found on Canvas.</p> <p>Practical skills will be assessed by laboratory reports (1200 words total) and in-class test. Anatomical and numerical skills will each be assessed by examinations, of 40 minutes and 1 hour respectively.</p>

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Examination - Closed Book	Mathematics assessment (1 Hr)	30%
Summative	Laboratory Report	Laboratory Report	35%
Summative	Examination - Closed Book	Anatomy assessment (40 Mins)	35%

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.