UNIVERSITY of BRADFORD

Module Descriptor

Module Details	
Module Title	Developing Professional Skills 2
Module Code	BIS5003-B
Academic Year	2020/1
Credits	20
School	School of Chemistry and Biosciences
Subject Area	Biomedical Science
FHEQ Level	FHEQ Level 5
Pre-requisites	BIS4003-B
Co-requisites	N/A

Contact Hours	
Type	Hours
Online Lecture (Synchronous)	21
Tutorials	9
Practical Classes or Workshops	9
Practical Classes or Workshops	10 Workshops
Directed Study	151

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

Module Aims

To increase student employability through a focus on personal and career development. To identify and further develop personal transferable skills, particularly in the application of number and practical laboratory based skills.

Outline Syllabus
This module will focus on research skills which students will need to become a professional scientist. These skills are also pertinent to the success of their final research project. Topics covered include experimental design, laboratory skills, presentation of data, the use of statistics, the role of the health and care professions council (HCPC), laboratory standards, quality control/audits and demonstration of competency to practice as a biomedical scientist. The second part of this module will focus on professional employability skills and personal development. Students will be given a broad view of the range of biology and biomedical-related career paths, including postgraduate study options. The module will cover CV and cover letter writing, including tailoring a CV to a specific role. There will also be sessions on competency based application forms, interview and networking skills. The module also includes an inter-professional skills event, this multidisciplinary event involves Biomedical Science, Healthcare Science and pharmacy students and will take place in week 10. The purpose of this event is to enable students to gain a better understanding of the role of different healthcare professionals in the diagnosis and management of disease.

Learning Outcomes	
Outcome Number	Description
1	Select from a range of suggested approaches to analyse, evaluate and interpret biological data.
01	Select from a range of suggested approaches to analyse, evaluate and interpret biological data.
2	Accurately, clearly and appropriately communicate information and ideas in an appropriate written, verbal or visual format in such a way as to articulate their understanding to academic, specialist and non-specialist audiences.
02	Accurately, clearly and appropriately communicate information and ideas in an appropriate written, verbal or visual format in such a way as to articulate their understanding to academic, specialist and non-specialist audiences.
3	Select relevant literature, critically analyse data and identify the significance of information to produce a line of argument supported by relevant evidence.
03	Select relevant literature, critically analyse data and identify the significance of information to produce a line of argument supported by relevant evidence.
4	Demonstrate understanding of the issues, which are important in generating reliable data and knowledge of key laboratory skills.
04	Demonstrate understanding of the issues, which are important in generating reliable data and knowledge of key laboratory skills.
5	Describe the purpose of biomedical science disciplines, including the role of regulation, quality assurance and audit within a professional laboratory.
05	Describe the purpose of biomedical science disciplines, including the role of regulation, quality assurance and audit within a professional laboratory.
6	Reflect on and analyse their own strengths, limitations and performance.
06	Reflect on and analyse their own strengths, limitations and performance.

Learning, Teaching and Assessment Strategy

The academic content of this module will be delivered as a combination of lectures and small group tutorials. The scientific paper viva voce and scientific writing will be summatively assessed by personal tutors. The statistics components are delivered in workshops and students will complete formative material provided via the virtual learning environment (VLE) to promote autonomous learning in conjunction with computing workshops using SPSS before undertaking summative assessment. Laboratory competency will be assessed via formative and summative laboratory classes. During directed study hours, students are expected to undertake reading of scientific literature to prepare for assessments; revise statistics material from formal taught sessions; and undertake specific elements of reading as directed during taught sessions. Private study will be facilitated and supported via the use of the VLE, which will provide coursework advice and feedback, and revision support.
The lab-based practical tests are a PASS/FAIL element of the module. Reassessment of any failed elements will be as per the original method of assessment.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Examination - practical/laboratory	Laboratory based practical tests to be PASS/FAIL for the module (LO4)	3 hour	0%
Summative	Coursework	Portfolio containing 3 equally weighted pieces of coursework (LO1-6)	N/A	100%
Formative	Examination - practical/laboratory	Laboratory based practical tests (LO4)	3.5 hours	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.

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