

Professional Development

Module Code:	LIS7008-B
Academic Year:	2018-19
Credit Rating:	20
School:	Life Sciences (Faculty-wide)
Subject Area:	Life Sciences (Faculty-wide)
FHEQ Level:	FHEQ Level 7 (Masters)
Module Leader:	Dr Benjamin Stern

Additional Tutors:

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	34
Tutorials	4
Directed Study	161.75
Other (DO NOT USE)	0.25

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Academic Year (Sept - May)

Module Aims

This module will enable you to specialise in one of the main Pathways of the programme in analytical sciences (Analytical Chemistry, Archaeological Analysis, Environmental Analysis, Forensic Analysis, and Pharmaceutical Analysis). This module provides the educational and career development specialism practice required by analytical chemists in each of these Pathways.

This will enable you to identify your own learning needs and to carry these out to achieve specialism practice.

Outline Syllabus

Semester 1:

Introduction to the module (introductory lecture briefing the students). Experiential learning, Reflective practice, Personal development plans (PDP). Lecture/workshop on how to use a blog. Careers, exploring futures, skill requirements. Tutorial 1 with theme tutor(s) (1 hr) to discuss and identify student learning needs. Student submit learning plan outlining learning needs and how the 20 credits will be used (*learning plan will be assessed). Tutorial 2 with pathway tutor(s) follow up of actions on learning plan.

Semester 2:

Tutorial 3 with pathway tutor(s) review of progress. Tutorial 4 with pathway tutor(s) review of progress, discussion of presentation. Assessment: Presentation.

(Supplementary Assessment: critical essay (4000 words) including revised learning plan and reflection outlining practice in your chosen pathway)

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1 Practice effective experiential learning.
- 10 Reflect on your progress at achieving your learning needs.
- 11 Competently undertake specific ICT skills (maintaining a blog, Powerpoint presentation, use of information technology for reflective practice and critical thinking).
- 2 Integrate knowledge from interdisciplinary subject areas and describe awareness of issues within your chosen specialism.
- 3 Evaluate relevant professional literature and critically appraise of current research within your chosen specialism.
- 4 Discuss recent debates/advances in your subject specialism.
- 5 Evaluate specialism practice required by analytical chemists in your chosen area of study.
- 6 Identify your individual learning needs and carry out an achievable learning plan to meet them.
- 7 Maintain a record of professional training and experience.
- 8 Prepare Gantt charts for time management.
- 9 Manage your learning activities.

Learning, Teaching and Assessment Strategy

Core lectures will be used to provide an introduction to the module, overviews of concepts and theories of experiential learning, reflective practice, techniques and strategies relating

to the use of information technology (blogs).

Specialism practice will be identified by you through experiential learning. To achieve experiential learning you will be expected to participate completely in the learning process, you will have control over its nature and direction and be capable of self-evaluation (reflection). To achieve this you will follow an agreed learning plan as identified by yourself over both semesters 1 and 2. A pathway tutor(s) will provide a range of experience and expertise from different subject perspectives which you can apply to your own planning and learning. Key themes related to current staff research will be explored in depth.

Tutorials with the specialist Pathway tutor(s) and module manager will be used to identify your learning needs and formatively evaluate progress.

A blog (web log) is an online chronological collection of personal commentary, links, images and other media. This will be used to record the progress of the agreed learning plan and to periodically enable reflection of that progress. The module manager and Pathway tutor(s) will add their own comments to your blog.

The assessments will enable you to present a range of evidence showing your achievements and helping in your future development.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Presentation	A presentation outlining specialism practice required by analytical chemists in your chosen area of study	15 minutes	40%	No
Summative	Other form of assessment DO NOT USE	An agreed learning plan (1000 words) outlining in detail the learning needs required and how these are to be met	0 hours	20%	No
Summative	Other form of	A Blog to maintain a record	0 hours	40%	Yes

assessment
DO NOT USE
towards the
progress of your
agreed learning
plan and to use
for reflective
practice (unlim)

Referral	Coursework	A critical essay(4000 words)	0 hours	100%	No
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Legacy Code (if applicable)

LIF4008L

Reading List

To view Reading List, please go to [rebus:list](#).