

Appendix 1: Programme Specifications

Programme Specification and Curriculum Map for Certificate in Higher Education Environmental Health



1. Programme title	Certificate in Higher Education Environmental Health
2. Awarding institution	Middlesex University
3. Teaching institution	Middlesex University
4. Programme accredited by	
5. Final qualification	Certificate in Higher Education Environmental Health
6. Academic year	2018/19
7. Language of study	English
8. Mode of study	Full Time/Part Time

9. Criteria for admission to the programme	
<p>Evidence that have capacity to work at level 4+ for example: 5 GCSEs (Grade C or above) or 5 GCEs (Grade C or above) including: English Language, Mathematics, Science Plus one of the following: Minimum of 5 years' experience in a relevant local authority service. Mature Students will be interviewed by the team to discuss suitability for study at level 4 OR Two A-Levels with a minimum of 180 UCAS Tariff points with least one A level in a science or technology subject drawn from Chemistry, Biology, Human Biology, Physics, Geography, Geology, Environmental Science, Nutrition, Food Science or similar OR A BTEC National Diploma or Certificate in an appropriate area (e.g. Applied Science) normally with a minimum of 3 merits OR Applicants who have successfully completed a relevant (Science) ACCESS course with an overall merit OR Applicants who have successfully completed an appropriate (e.g Applied Science) Advanced GNVQ with at least 3 level III passes at merit standard. OR Applicants who have successfully passed a HE Foundation Science programme.</p> <p>Overseas applicants with an appropriate qualification and an IELTS score of 6.0 and over</p>	

10. Aims of the programme

The programme aims to:

- a) Enable students to assess risk in a range of contexts
- b) Provide an understanding of the underlying scientific principles on which to make sound judgements
- c) Develop transferable skills to support learning in the work-place and life-long learning
- d) Work with others and develop the ability to communicate at all levels.
- e) Provide an understanding and appreciation of the general legal framework within the UK/EU and its application to the practice of environmental health
- f) Develop a firm foundation in the identification of stressors which impact on health, together with a broad understanding of legislative controls.

11. Programme outcomes

<p>A. Knowledge and understanding On completion of this programme the successful student will have knowledge and understanding of :</p> <ol style="list-style-type: none"> 1. Scientific, technological, and legal principles that impact on Environmental Health practice. 2. Principal environmental and occupational stressors and vectors of disease and how to control them. 3. Hazard Analysis, risk assessment and basic risk management. 4. UK/EU law and governance 5. A range of inspection and investigation techniques 	<p>Teaching/learning methods Students learn knowledge and understanding through attendance in lectures, participatory seminars, laboratory and practical sessions, and through a variety of directed and self directed learning activities e.g. Group projects, case study analysis, laboratory based learning, and portfolio development and work based activity. Lectures deliver knowledge and seminars and practical sessions embedded understanding.</p> <p>Assessment Method Students' knowledge and understanding is assessed by case study portfolios, coursework and in-course tests and examinations and presentations. An understanding of the subject is both summatively and formatively assessed</p>
<p>B. Cognitive (thinking) skills On completion of this programme the successful student will be able to:</p> <ol style="list-style-type: none"> 1. Demonstrate understanding of good practice in environmental health 2. Evaluate the results of audit, and investigative analysis and the 	<p>Teaching/learning methods Students learn cognitive skills through case study analysis, laboratory based exercises and experiments. Group and mini seminars and Workshops. Students are encouraged to challenge and discuss concepts.</p>

<p>application of basic tools and methods in formulating action plans.</p> <ol style="list-style-type: none"> 3. Relate knowledge of health stressors to the work place 4. Recognise the complexities of environmental health interventions 	<p>Assessment Method</p> <p>Students' cognitive skills are assessed by essay, written and oral examination and laboratory reports</p>
<p>C. Practical skills</p> <p>On completion of the programme the successful student will be able to:</p> <ol style="list-style-type: none"> 1. Inspect and investigate low risk environmental health issues 2. Identify a range of suitable remedial measures 3. Conduct themselves safely in a laboratory. 	<p>Teaching/learning methods</p> <p>Students learn practical skills through interactive participation in modules, laboratory exercises, through group work and formative assessment</p> <p>Students must consider issues and remedial options as suitable interventions.</p> <p>Assessment Method</p> <p>Students' practical skills are assessed by Problem solving exercises and table top tests.</p>
<p>D. Graduate Skills</p> <p>On completion of this programme the successful student will be able to:</p> <ol style="list-style-type: none"> 1. Effectively communicate in verbal and visual forms of presentation ability to write in a variety of formats 2. Demonstrate effective work in a team 3. Demonstrate effective learning 4. Use appropriate IT packages 5. Determine personal and career development and time management. 6. Use numeracy in the context of professional practice 	<p>Teaching/learning methods</p> <p>Students acquire graduate skills through reading, group work exercises, participation in the programme, structured and directed learning, reflection and formative and summative assessments</p> <p>Assessment method</p> <p>Students graduate skills are integrated into the other forms of assessment.</p> <p>The programme is designed to encourage students to develop a professional approach. These skills are developed through team work and reflection.</p>

12. Programme structure (levels, modules, credits and progression requirements)			
12. 1 Overall structure of the programme			
YEAR	MODULE CODE	MODULE TITLE	Credits
1	BIO1160	Environmental Health Science	30
1	BIO1636	Physiology and Anatomy	15
1	BIO1637	Food Animals and Vectors of Disease	15
1	BIO1655	Principles of Health Stressors	30
1	PRS1003	Introduction to Law and Environmental Health	30

12.2 Levels and modules		
Level 1		
COMPULSORY	OPTIONAL	PROGRESSION REQUIREMENTS
Students must take all of the Modules BIO1160 Environmental Health Science BIO1636 Physiology and Anatomy BIO1637 Food Animals and Vectors of Disease BIO1655 Principles of Health Stressors PRS1003 Introduction to Law and Environmental Health	NONE	
12.3 Non-compensatable modules		
<i>Module level</i>	<i>Module code</i>	
4	BIO1160, PRS1003	
13. A curriculum map relating learning outcomes to modules		
See Curriculum Map attached.		
14. Information about assessment regulations		
<p>The regulations applying to the programme are those common to the University. Self deferral is not permitted Where a practical session is not attended, students cannot submit a laboratory report applicable to this session. A register of all laboratory sessions will be kept. At levels 4 within modules, where there is more than one component to a module assessment, a minimum of 30% is required for each component, following which the marks are aggregated and an overall percentage of at least 40% can be given a pass grade using the Middlesex University 20 point scale. This does not apply to BIO1637 where required pass mark for the practical/table top tests are: Meat identification test: 60%,: Pestology test: 50%.</p>		
15. Placement opportunities, requirements and support (if applicable)		
Not applicable		
16. Future careers (if applicable)		
<p>The Certificate of Higher Education in Environmental Health produces students with a wide range of professional and transferable skills. Successful students are encouraged to study further on the Degrees in Environmental Health, but can also offer a wide range of employers an underpinning knowledge across these disciplines.</p>		

17. Particular support for learning (if applicable)	
Learning resources at Hendon, Environmental Health Laboratory, Microbiology Laboratory, General Science Laboratories, Learning Resources subject area, IT help desk.	
18. JACS code (or other relevant coding system)	B910
19. Relevant QAA subject benchmark group(s)	Health Science. ,Earth Sciences, Environmental Sciences and Environmental Studies
20. Reference points	
<p>➤ The following reference points were used in designing the programme:</p> <ul style="list-style-type: none"> • Relevant multi-disciplinary subject benchmarks: Earth Sciences, Environmental Sciences and Studies (2014) and Health Sciences (2016) • Middlesex University Learning and Quality Enhancement Handbook (LQEH) 2016-17 • Middlesex University Regulations 2016-17 • Chartered Institute of Environmental Health Curriculum 2011. 	
21. Other information	
<p>The following course-related costs are not included in the fees:</p> <ul style="list-style-type: none"> • Additional books to support study; • Lab coat for food practical sessions; <p>Travel costs to field trips (where transport is not provided by the university, however these will be on London transport).</p>	

Appendix 2: Curriculum Map

Curriculum map for Certificate of Higher Education: Environmental Health

This section shows the highest level at which programme outcomes are to be achieved by all graduates, and maps programme learning outcomes against the modules in which they are assessed.

Programme learning outcomes

Knowledge and understanding		Practical skills	
A1	Scientific, technological, and legal principles that impact on Environmental Health practice	C1	Inspect and investigate low risk environmental health issues
A2	Principal environmental and occupational stressors and vectors of disease and how to control them	C2	Identify a range of suitable of remedial measures
A3	Hazard Analysis, risk assessment and basic risk management	C3	Conduct themselves safely in a laboratory
A4	UK/EU law and governance		
A5	A range of inspection and investigation techniques		
Cognitive skills		Graduate Skills	
B1	Demonstrate understanding of good practice in environmental health	D1	Effectively communicate in verbal and visual forms of presentation ability to write in a variety of formats
B2	Evaluate the results of audit, and investigative analysis and the application of basic tools and methods in formulating action plans	D2	Demonstrate effective team work
B3	Relate knowledge of health stressors to the work place	D3	Demonstrate effective learning
B4	Recognise the complexities of environmental health interventions	D4	Use appropriate IT packages
		D5	Determine personal and career development and time management
		D6	Use numeracy in the context of professional practice

Programme outcomes																	
A1	A2	A3	A4	A5	B1	B2	B3	B4	C1	C2	C3	D1	D2	D3	D4	D5	D6
Highest level achieved by all graduates																	
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

Module Title	Module Code by Level	A1	A2	A3	A4	A5	B1	B2	B3	B4	C1	C2	C3	D1	D2	D3	D4	D5	D6
		Environmental Health Science	BIO1160	X				X	X			X		X	X	X			X
Introduction to Law and Environmental Health	PRS1003	X		X	X	X	X			X	X	x				X		X	
Principles of Health Stressors	BIO1655		X					X	X					x					
Physiology and Anatomy	BIO1636												x		x				
Food Animals and Vectors of Disease	BIO1637		X			X					X		x	x					