Programme Specification and Curriculum Map for BSc (Hons) Occupational Safety and Health Management

1. Programme title	BSc (Hons) Occupational Safety and Health Management
2. Awarding institution	Middlesex University
3. Teaching institution	Middlesex University and Hong Kong Metropolitan University
4. Programme accredited by	Institution of Occupational Safety and Health (IOSH)
5. Final qualification	BSc (Hons) Occupational Safety and Health Management
6. Year of Validation **Year of amendment**	2018
7. Language of study	English
8. Mode of study	FT or PT

9. Criteria for admission to the programme

Evidence that Students have the capacity to work at level 6, for example:

- Students must be able to demonstrate the equivalence of 240 credits of learning (120 credits at L4 and 120 credits at L5). This can be demonstrated through a foundation degree, higher diploma or Diploma in Occupational Safety from overseas or equivalent level of studies.
- Recognition and accreditation of learning (RAL) is available for those students who do not have evidence of level 4 or 5 learning but can demonstrate equivalent learning through other professional or work based activities and produce evidence of that work along with a persuasive statement of how the work has contributed to the students understanding of health and safety practice.
- Student who have foundation level knowledge of Occupational Safety and Health to NVQ 3 domain knowledge e.g. NEBOSH National General Certificate in Occupational Safety and Health or equivalent are also encouraged to apply and will receive some advanced standing (90 Credits at L4) and can demonstrate the remaining credits through portfolios of practice
- Overseas students must demonstrate English language skills to IELTS 6.0 or equivalent with a minimum of 5.5 in all components.

10. Aims of the programme

The programme aims to:

- Prepare students for a career in occupational safety and health through the development of knowledge, understanding and the application of practical and professional skills necessary for future practice and in so doing develop an informed, critical and imaginative attitude towards professional practice.
- Facilitate development of competence in future practice through alignment with professional standards in occupational safety and health and specifically those from the Institution of Occupational Safety & Health and their requirements for Initial Professional Development.
- Develop a holistic understanding of the scientific, legislative, policy, technical and managerial skills on which to base future competence in relation to occupational safety and health.

- Provide students with a critical awareness of the role of external and internal drivers for safety and health improvement; development of safety cultures; active communication/involvement; management and leadership for safety and health and role of risk based management and methods including enhanced abilities to critically appraise risk in a variety of complex situations and design and implement management solutions to reduce risk.

- Provide skills in design and conduct of research.

- Prepare students with the skills and intellectual tools to carry out further study

The professional body for Occupational Safety & Health (IOSH) have provided high level learning objectives from which the programme outcomes of this BSc have been aligned. These are included here and have been embedded with the programme outcomes below.

a) demonstrate a systematic understanding of the key elements of occupational safety and health, which include knowledge, some of which will relate to the development of new ideas or processes at the forefront of work or study contexts, including research

b) apply the methods and techniques that they have learned to review, consolidate, extend and use this understanding to carry out projects

c) demonstrate conceptual understanding so that they can solve problems, devise and sustain arguments, and describe and comment on current research into occupational safety and health

d) demonstrate an evidence-based approach and an appreciation of the limits of knowledge

e) manage their own research and learning and be continually aware of where the limits of their own knowledge and skills lie

f) take responsibility for managing the professional development of individuals and groups

g) demonstrate complex skills, expert knowledge and original thinking in solving complex and unpredictable problems in the field of occupational safety and health

h) communicate effectively information, ideas, problems and solutions to the full range of people they will encounter at work.

11. Programme outcomes	
A. Knowledge and understanding On completion of this programme the successful student will have knowledge and understanding of : 1. Risk management including hazard analysis, risk assessment, risk modelling, risk acceptability and risk decision making 2. Workplace, work-equipment, chemical, physical and biological hazards and their potential to act synergistically to impact detrimentally on safety and health. 3. A wide range of management strategies, methods and techniques to create, implement, review, use and control safe systems of work. 4. Regulation, legislation and regulatory approaches used within the occupational safety and health setting. 5. The role of individual, group and organisational behavioural issues as they apply to safety and health interventions. 6. The research process and methods used to gain insights into occupational safety and health	**Teaching/learning methods** Students gain knowledge/understanding through attendance in lectures, seminars, and through a variety of directed and self-directed learning activities, case study analysis, laboratory work, and audits of the workplace. The use of case studies that reflect actual workplace environments are essential in enabling the student to relate knowledge to the practical situations in which they are likely to practise in the future. Use is made of the dedicated environmental and occupational health teaching space to offer demonstrations of equipment and monitoring tools, together with university wide facilities such as the theatre, product design studio etc The use of e-learning strategies is also integrated into the teaching and learning strategies through the use of professional online data bases. Online learning will also be used to encourage independent study and formative assessment through the use of interactive exercises and quizzes, links to external sources of information and Pod cast presentations and lecture notes are available to the student for downloading. **Assessment Method** Students' knowledge and understanding is assessed by a combination of essays, management and audit reports, online tests, in class test and case studies designed to reflect current working, cultural and physical environments likely to be experienced by students in their future professional activities

B. Skills	Teaching/learning methods
On completion of this programme the successful student will be able to: 1. Select or design, apply and evaluate, autonomously, a range of inspection, auditing and investigation techniques and be able to develop action plans and programmes for safety and health improvement 2. Critically appraise guidance, legislation and complex data and successfully communicate their implications to a wide range of personnel 3. Make decisions, recommendations and articulate solutions on a proposed course of action in relation to OHSE problems to managers, safety representatives and enforcement bodies in a professional manner 4. Reflect on own professional practice and select from a range of options, the best methods and mechanisms to manage OHSE and influence others to achieve best practice 5. Problem-solve, prioritise and communicate solutions at both an individual problem level and within the context of a range of problems 6. Undertake a substantial academic investigation and effectively communicate the findings 7. Critically appraise risk perception influences of human and organisational behaviour, risk management and risk analysis 8. Work within teams to problem solve and improve safe and health practice 9. Appreciate ethical problems associated with working with people and clients 10. Operate successfully in a culturally diverse and global oriented society	Students learn cognitive and practical skills through interactive participation in modules, case study analysis of practical workplace problems relevant to current working practices, group and mini seminars and Workshops will help students articulate ideas, reflect on their understanding and learn from others in a constructive environment. E-learning facilities available on Model plus other such interactive exercises and quizzes will help develop cognitive skills. The modules have been designed to encourage practical work as appropriate, for example workplace inspections and risk assessments, practical workplace visits to view and identify a range of hazardous working environments. The use of the interactive workplace environment allows students the opportunity to view work equipment and machinery type hazards and handle and use a variety of occupational hygiene and noise monitoring equipment. **Assessment Method** Students' cognitive and practical skills are assessed by practical inspections and reports, essay, case study, in class test, and research proposal and research project. Some modules also assess presentation skills formatively and summatively as a way of improving verbal communications skills often required in professional practice.

12. Programme structure (levels, modules, credits and progression requirements)

12. 1 Overall structure of the programme

Students will study for 24 weeks over two terms, Autumn and Winter terms for those starting in September. There are breaks at Christmas and Easter. Assessments are carried out throughout the term in both terms.

There are 4 modules of 15 credits and 2 modules of 30 credits. The 15 credit modules are undertaken over the 12 week terms and the 30 credits modules including the research project are completed over the academic year.

Part-time students normally study 60 credits a year. Part-time students have the same access to Middlesex University facilities and resources as full-time students.

A 15 credit module represents approximately 150 hours of student learning, endeavour and assessment and

a 30 credit module represents 300 hours of learning. Student will need to have achieved 120 credits of learning at level 6 to be awarded the B.Sc. Occupational Safety and Health Management award.

Programme structure diagram

Diagram showing structure of award: BSc (Hons) Occupational Safety and Health Management (Full Time Mode)

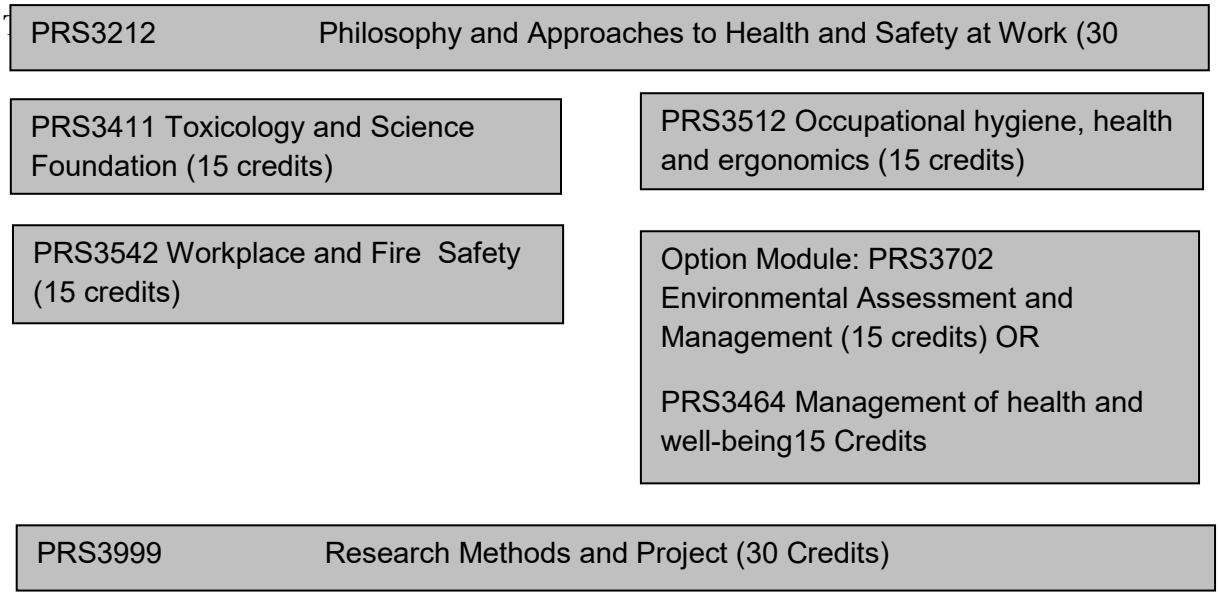
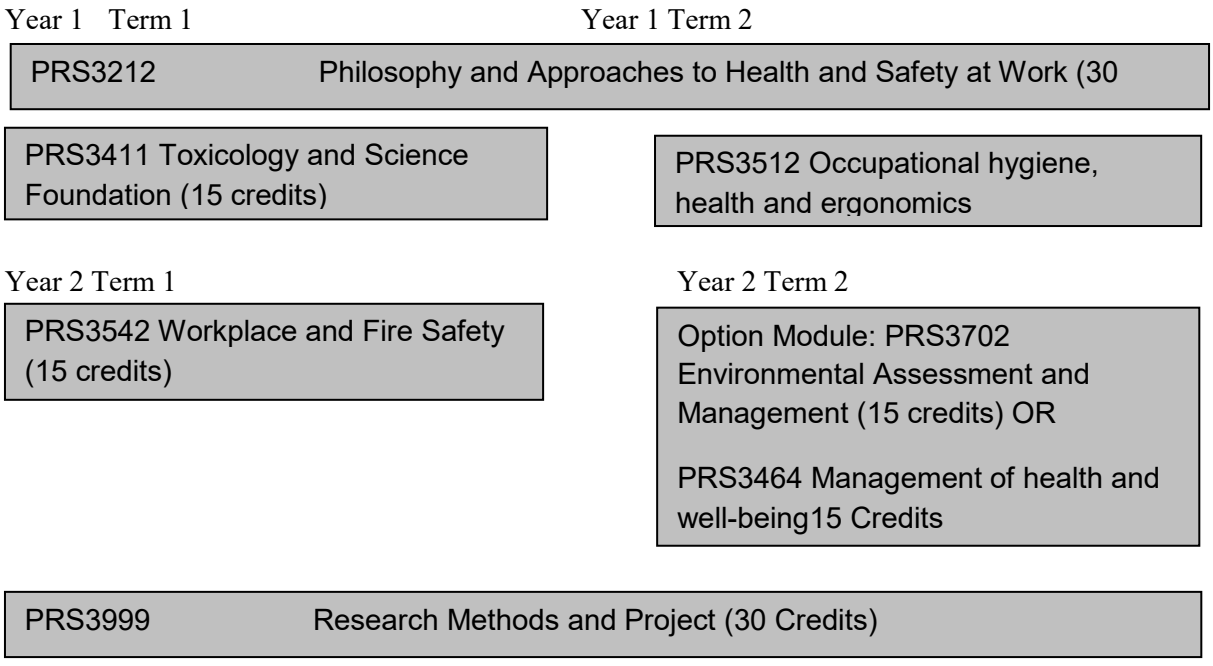


Diagram showing structure of award: BSc (Hons) Occupational Safety and Health Management (Part time mode)



12.2 Levels and modules

COMPULSORY	OPTIONAL	PROGRESSION REQUIREMENTS
Students must take all of the following: PRS3212: Philosophy and Approaches to Health and Safety at Work PRS3411: Toxicology and Science Foundation PRS3542: Workplace and Fire Safety PRS3512 Occupational Hygiene, Health and Ergonomics PRS3999: Research Methods and Project	PRS3702 Environmental Assessment and Management OR PRS3464 Management of health and well-being	

12.3 Non-compensatable modules

Module level	Module code
6	*PRS3212, PRS3411,PRS3542, PRS3512, PRS3999, PRS3702, PRS3464*

13. A curriculum map relating learning outcomes to modules

See Curriculum Map attached.

14. Information about assessment regulations

The regulations applying to the programme are those common to the University.

Each module has one or more pieces of assessment. A minimum of 40% is required on each piece of assessment to pass. Within modules, where there is more than one component to a module assessment, and all pieces of work are at pass grade, the marks are aggregated and a grade given using the Middlesex University 20 point scale.

There are opportunities for re-assessment in failed components of work and specific details are given in the module handbooks. Where a student has failed a piece of work, the mark for the resubmitted work is capped at 40%.

Students must adhere to module assessment deadlines. Where a student cannot meet the deadline for extenuating reasons (for example illness, accidents, bereavement, family problems), an extension can be formally requested for summative assessments. Failure to participate in assessment without permission will result in a fail grade for the piece of assessment. Self-deferral is not permitted.

Students who do not attend sufficiently may not be able to submit the relevant assessment for the module.

15. Placement opportunities, requirements and support (if applicable)

Due to the nature of the award and being only 1 year in length there is no formal opportunity for a placement within the award. Students, however, are encouraged to widen their exposure and knowledge in Occupational Health and Safety by attending the programme activity experiences and visiting other workplaces at least once during the programme.

16. Future careers (if applicable)

Increased skills in occupational safety and health risk assessment, auditing and an enhanced knowledge of occupational health and safety management will improve students' overall value to the employer and profession. Students' ability to take on an advisory or a more management role within an organisation will be advanced. The programme enables students to continue a career in occupational health and safety.

17. Particular support for learning (if applicable)
Specialist safety and health equipment and materials, use of the environmental and occupational health and safety teaching space, risk assessments of theatre, design studios, and science laboratories. Specialist learning materials including Barbour Index, and specialist external lecturers. Integration of the learning enhancement team into the teaching and delivery of the award. Access to progression and support advisors and personal tutor.

18. JACS code (or other relevant coding system)	B920
19. Relevant QAA subject benchmark group(s)	Health Studies, Bio-sciences

20: **Reference Points**
The following reference points were used in designing the programme: • Middlesex University Learning Framework – Programme Design Guidance 2012 • Middlesex University Guide and Regulations 2018/19 • QAA Qualifications Framework 2014 • QAA Guidelines for Programme Specifications 2006 • Institute of Occupational Safety and Health COR3998 A and B • IEMA environmental management accreditation approval

21. Other information
Indicators of quality: Progression statistics and good awards Students feedback External examiners reports Student employability Students are encouraged to attend the professional body events in London. There are also a limited number o off campus visits to enhance knowledge and application. The costs for all of these events is limited to the pric of a London travel card. There are no additional compulsory costs associated with this programme.

Please note programme specifications provide a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve if s/he takes full advantage of the learning opportunities that are provided. More detailed information about the programme can be found in the student programme handbook and the University Regulations.

Appendix 2: Curriculum Map

In this section you will find details of all the learning outcomes for the programme, and the modules were you will achieve them.

The curriculum map was correct at the time this handbook was published but details change over time and therefore you should always refer to the latest version available on the My Study area of MyUniHub.

Knowledge and understanding		Skills	
A1	Risk management including hazard analysis, risk assessment, risk modelling, risk acceptability and risk decision making	B1	Select or design, apply and evaluate, autonomously, a range of inspection, auditing and investigation techniques and be able to develop action plans and programmes for safety and health improvement
A2	Workplace, work-equipment, chemical, physical and biological hazards and their potential to act synergistically to impact detrimentally on safety and health.	B2	Critically appraise guidance, legislation and complex data and successfully communicate their implications to a wide range of personnel
A3	A wide range of management strategies, methods and techniques to create, implement, review, use and control safe systems of work.	B3	Make decisions, recommendations and articulate solutions on a proposed course of action in relation to OHSE problems to managers, safety representatives and enforcement bodies in a professional manner
A4	Regulation, legislation and regulatory approaches used within the occupational safety and health setting.	B4	Reflect on own professional practice and select from a range of options, the best methods and mechanisms to manage OHSE and influence others to achieve best practice
A5	The role of individual, group and organisational behavioural issues as they apply to safety and health interventions.	B5	Problem-solve, prioritise and communicate solutions at both an individual problem level and within the context of a range of problems
A6	The research process and methods used to gain insights into occupational safety and health	B6	Undertake a substantial academic investigation and articulate the findings
		B7	Critically appraise risk perception influences of human and organisational behaviour, risk management and risk analysis.
		B8	Work within teams to problem solve and improve safety and health practice
		B9	Appreciate ethical problems associated with working with people and clients
		B10	Operate successfully in a culturally diverse and globally oriented society

Programme learning outcomes

Programme outcomes															
A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
Highest level achieved by all graduates															
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

Module Title	Module Code	Programme Outcomes															
		A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
Philosophy and Approaches to Health and Safety at Work	PRS3212	X		X	X	X		X						X	X		
Toxicology and science foundation	PRS3411		X								X	X			X		
Work place and Fire Safety	PRS3542		X		X			X		X	X	X					
Occupational hygiene, health and ergonomics	PRS3512		X		X			X									X

Environmental assessment and management	PRS3702	X		X					X	X		X				X	
Management of health and well-being	PRS3464	X		X					X	X		X				X	
Research Methods and Project	PRS3999						X						X			X	