

MSc Occupational Medicine and MSc Occupational Hygiene Handbook 25/26 Academic Year

Description



General Information

What is the Programme Handbook?

The Programme Handbook is a reference document that contains programme specific information (or signposts to the information) that you require throughout your programme of study.

[SHS Student Handbook](#)

To be read in conjunction with the programme handbook.

Useful contacts

If you have any questions or encounter any problems during your studies, please contact a member of the Programme Admin team and we will endeavour to deal with your query or re-direct it appropriately.

Key Academic Staff

Anne Clayson	Senior Lecturer in Occupational and Environmental Health	
	Programme Director for MSc Occupational Hygiene, MSc Occupational Medicine and CPD Occupational Hygiene	<u>anne.clayson@manchester.ac.uk</u>

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Martie van Tongeren	Professor of Occupational and Environmental Health	martie.j.van-tongeren@manchester.ac.uk
Mike Slater	Lecturer in Occupational Hygiene	michael.slater@manchester.ac.uk

External Examiners

The Programme & Subject External Examiner is Professor Sean Semple, Professor of Exposure Science and Deputy Director of the Institute for Social Marketing and Health, University of Stirling.

Our BOHS course representative is Mr Neil Pickering

Programme Administration

EMAIL ADDRESS	PURPOSE
shs.assessment@manchester.ac.uk	• Examination queries • Assessment queries • Assessment submissions • Resit/reassessment queries
shs.attendance@manchester.ac.uk	• Attendance Monitoring
shs.dc@manchester.ac.uk	• Disability Support
shs.mitcircs@manchester.ac.uk	• Mitigating Circumstances, • Extensions
shs.placements@manchester.ac.uk	• All Placement queries
shs.programmes@manchester.ac.uk	• Registration advice and guidance • Course unit selection and enrolment • Timetable queries • Programme content
shs.wellbeing@manchester.ac.uk	• Wellbeing student support, appointments and signposting • Interruptions
shs.hub@manchester.ac.uk	• Student support hub – general queries and advice not covered by the above teams

Your Programme

MSc Occupational Medicine Programme and MSc Occupational Hygiene Programme

The MSc Occupational Medicine programme aims to:

- provide you with the core knowledge required by medical practitioners working in the field of occupational medicine, and to allow you to pursue an academic qualification in this subject; and

- teach you the rudiments of research methods, critical appraisal and critical objectivity to foster life-long skills that will enable you to assess and make evidence based decisions.

The MSc Occupational Hygiene programme aims to:

- provide students with the core knowledge necessary to develop competence in occupational hygiene with special emphasis on legal instruments, the toxicological basis for standard setting, methods commonly used to evaluate hazardous agents, and the management and evaluation of occupational hygiene interventions;
- provide an academic qualification that is accredited by the British Occupational Hygiene Society (BOHS). Faculty of Occupational Hygiene to equip students to gain employment in occupational hygiene and occupational health related sectors;
- teach students the rudiments of research methods, critical appraisal and critical objectivity so that on a life-long basis they will apply their knowledge to assess, and make evidence based decisions; and
- equip graduates with the knowledge, practical skills and critical awareness to enable them to fulfil the requirements of potential employers in government, private industry and consulting.

All MSc students on the Occupational Medicine or Occupational Hygiene programme will:

- acquire a thorough understanding of the theoretical principles and research methodologies underpinning all aspects of occupational hygiene;
- develop powers of critical appraisal, analytical thinking, and logical argument to allow evaluation of concepts and/or approaches to occupational health issues;
- carry out a piece of independent research, including the ability to design, analyse, interpret information and write up a dissertation or a critical literature review; and
- utilise research method skills within day-to-day practice, or within a career involving postgraduate research and study.

Students exiting at the Postgraduate Certificate level have the right to use the post-nominal letters of PG Cert. Students exiting at the Postgraduate Diploma level have the right to use the post-nominal letters of PG Dip. Students completing at Master's level have the right to use the post-nominal letters of MSc.

Comprehensive guidance documentation is provided prior to commencing your MSc year.

If you are registered for the 3-year part-time MSc you will embark on the dissertation/critical literature review in the third year of the programme; if you are registered for the 2-year part-time MSc you will embark on the dissertation in the second year of the programme; if you are registered for the 1-year full-time MSc you will embark on the dissertation in the first year of the programme.

CPD Occupational Medicine programme

The programme aims to:

- Introduce the common knowledge framework required in occupational medicine, health and hygiene disciplines, and provide you with an understanding and awareness of the foundation

principles of occupational health.

The learning outcomes intend to:

- Introduce you to the knowledge and skills required in those areas of medicine, science and hygiene that are encompassed by occupational health;
- Describe and define the relationships and responsibilities of the occupational physician with management, trade unions, employees, and other branches of the profession/other appropriate agencies;
- Give you a good foundation on which to build and extend your knowledge of occupational health in response to future changes and developments;
- Provide you with an understanding of the concept of work-related and occupational disease, including types of commonly reported diseases and their recognition, mechanism and causes;
- Enable you to apply the concept of epidemiology to health surveillance, health assessment and health screening.

In summary, the CPD Occupational Medicine allows you to achieve a level of knowledge/competence appropriate to a generalist working in occupational health.

CPD Occupational Hygiene programme

The programme aims to introduce the knowledge framework for occupational exposure assessment and control. Students will learn how to undertake exposure assessments for hazardous substances in the workplace using measurement and modelling approaches. Students will learn principles and concepts of good control practice and explore how to develop strategies and reasonably practicable controls to minimise the risks from exposure to hazardous substances in the workplace. It is mapped to the curriculum set out in British Occupational Hygiene Society modules M501 Measurement of Hazardous Substances and M505 Control of Hazardous Substances.

The learning outcomes intend to enable students to:

- Apply the principles of good control practice and hierarchy of controls to identify, develop and implement reasonably practicable control strategies and integrated control regimes.
- Identify and implement appropriate measurement methods and strategies to evaluate exposure to hazardous substances
- Examine and appraise deterministic models used for inhalation exposure.
- Use evidence-based practice to examine the technical and legal factors involved in process control.
- Critically evaluate and analyse health risks from hazardous substances and the influence of process ,task and workplace environment on exposure to hazardous substances
- Evaluate the effectiveness of control measures, programmes and strategies

In summary, this CPD in Occupational Hygiene allows you to achieve a level of knowledge/competence to demonstrate knowledge and skills when applying occupational exposure assessment and controls and to apply relevant legal and scientific principles to practical situations.

Society of Occupational Medicine (SOM) and British Occupational Hygiene Society (BOHS)

We work very closely with SOM and the BOHS and recommend that all our students join the Societies. This gives you access to lots of resources and services. If you are a full time student you can join BOHS for free and SOM for a small fee. Please see the links to the Society membership pages

<https://www.som.org.uk/membership>

<https://www.bohs.org/membership/for-individuals/>, email membership@bohs.org

As an Occupational Medicine or Occupational Hygiene student you have access to all issues of the SOM and BOHS journals through our University of Manchester library.

<https://academic.oup.com/occmed?login=false>

<https://www.bohs.org/media-and-resources/publications/annals-of-work-exposure-health/>

As a member of the Societies you will also receive a copy of the journals.

Eligibility for Professional Examinations

FOM requires candidates wishing to sit their DOccMed examination to provide evidence of attendance of an FOM approved training course. Students will be provided with a certificate of attendance once they have completed the units ‘‘Fundamentals of Occupational Health’’ POPH68881(2) and ‘‘Introduction to Work-Related Ill-Health’’ POPH68861(2). You are strongly advised to obtain a copy of the regulations and syllabus for the DOccMed from the [FOM \(London\)](#).

Our MSc Occupational Hygiene programme is accredited by the [BOHS](#). Conditions of this approval include mapping our MSc curriculum to the BOHS core curriculum. Completion of our MSc entitles you to exemption from the written research report in the Chartered Occupational Hygienist examinations. Passing all elements of our Occupational Exposure Assessment and Control units will exempt you from the BOHS modules W501 and W505 on the Certificate qualification. There may be additional administrative costs incurred from BOHS if you would like to use these modules for exemption from the BOHS certificate. We can provide you with more information during your course.

It is your responsibility to liaise with professional bodies on matters of eligibility for professional examinations. It is also your responsibility to check the appropriate syllabus when preparing for professional examinations and to adhere fully to the BOHS or FOM regulations when applying to take the BOHS or FOM exams (including the DOccMed).

Every attempt is made to ensure that course material is as up to date as possible; however the professional bodies will expect candidates to show knowledge of current/changing practice, some of which may not be available within the course materials.

Programme structure

Some course units are run in both the occupational hygiene and occupational medicine programmes. Past experience has shown us that most students find this beneficial to their learning experience.

MSc Occupational Medicine Programme

Taught Units	Mandatory:	Credits
POPH68881 Fundamentals of Occupational Health		15
POPH68861 Introduction to work-related ill health		15
POPH68832 Stress, Work and Occupational Factors		15
POPH68821 Understanding Physical Agents		15
POPH68811 Management of Occupationally Related Diseases		15
POPH68802 Research Methods and Data Analysis		15
POPH68892 Occupational Health Management		15
Optional:		
Students can select one further 15 credit semester 2 unit from the 'Occupational Medicine Self-Selection Course Unit' list below		
MSc year		
Depending on the chosen study route, students can select either		
POPH69000 Dissertation or		60
POPH63170 Critical Literature Review plus two further self-selected 15 credit course units from the 'Occupational Medicine Self-Selection Course Unit' list below		30
CPD in Occupational Medicine (POPH68881(2) & POPH68861(2))		30
Award of Postgraduate Certificate (4 taught units)		60
Award of Postgraduate Diploma (8 taught units)		120
Award of Master of Science (8 taught units plus Dissertation or 10 taught units plus Critical Literature Review)		180

Occupational Medicine Full and Part time Unit schedule

3Yr PT	Y1		Y2		Y3
	Semester 1	Semester 2	Semester 1	Semester 2	All year
	POPH68881 Fundamentals of Occupational Health	POPH68832 Stress, Work and Occupational Factors	POPH68821 Understanding Physical Agents	POPH68802 Research Methods and Data Analysis	POPH69000 Dissertation or POPH63170 Critical Literature Review plus two further self-selected 15 credit taught units from the below list
	POPH68861 Introduction to work-related ill health	Self-selected 15 credit unit from the below semester 2 course unit list	POPH68811 Management of Occupationally Related Diseases	POPH68892 Occupational Health Management	
2Yr PT	Y1		Y2		
	Semester 1	Semester 2	Semester 1	Semester 2	
	POPH68881 Fundamentals of Occupational Health	POPH68832 Stress, Work and Occupational Factors	POPH68821 Understanding Physical Agents	POPH68802 Research Methods and Data Analysis	
	POPH68861 Introduction to work-related ill health	Self-selected 15 credit unit from the below semester 2 course unit list	POPH68811 Management of Occupationally Related Diseases	POPH68892 Occupational Health Management	
			POPH69000 Dissertation or POPH63170 Critical Literature Review plus two further self-selected 15 credit taught units from the below list		
1Yr FT	Y1		Semester 2		
	Semester 1				
	POPH68881 Fundamentals of Occupational Health		POPH68832 Stress, Work and Occupational Factors		
	POPH68861 Introduction to work-related ill health		Self-selected 15 credit unit from the below semester 2 course unit list		
	POPH68821 Understanding Physical Agents		POPH68802 Research Methods and Data Analysis		
	POPH68811 Management of Occupationally Related Diseases		POPH68892 Occupational Health Management		

POPH69000 Dissertation or

POPH63170 Critical Literature Review plus two
further self-selected 15 credit taught units from the
below list

	Sem 1 (September intake)	or	Sem 2 (March intake)
CPD Occupational Medicine	POPH68881 Fundamentals of Occupational Health POPH68861 Introduction to Work- Related Ill-Health		POPH68882 Fundamentals of Occupational Health POPH68862 Introduction to Work- Related Ill-Health

Occupational Medicine Self-selection Course Unit List

Unit Title	Subject	Course Number
Semester 1 Units		
Occupational Exposure Control	POPH	60161
Communicable Disease Control	POPH	62051
Health Promotion Theory and Methods	POPH	60021
Qualitative Research Methods	POPH	63121
Global Health into the 21st Century	POPH	62311
Global Women's Public Health	POPH	62411
Evidence Based Practice	POPH	60041
Semester 2 Units		
Occupational Exposure Assessment	POPH	63182
Work and Musculoskeletal Conditions	POPH	68842
Practical Statistics for Population Health	POPH	60982
Health System Challenges	POPH	62212
Emergency Planning, Response and Resilience	POPH	64132
Working with Communities	POPH	60072
Economic Evaluation in Healthcare	POPH	60092
Digital Public Health	POPH	65022

Climate Change & Health	POPH	65042
Introduction to Health Policy	POPH	65052
Behaviour Change & Public Health	POPH	65062
Implementation Sciences	POPH	64552

MSc Occupational Hygiene Programme

Taught Units

Credits

Mandatory:

POPH68881 Fundamentals of Occupational Health	15
POPH68861 Introduction to Work-related Ill Health	15
POPH63182 Occupational Exposure Assessment	15
POPH68821 Understanding Physical Agents	15
POPH60161 Occupational Exposure Control	15
POPH68802 Research Methods and Data Analysis	15
POPH68892 Occupational Health Management	15

Optional:

Students can select one further 15 credit semester 2 unit from the Occupational Medicine Self-Selection Course Unit list below

MSc year

Depending on the chosen study route, students can select either

POPH69000 Dissertation or	60
POPH63170 Critical Review (plus two self-selection course units from the below list, 15 credits each)	30
Award of Postgraduate Certificate (4 taught units)	60
Award of Postgraduate Diploma (8 taught units)	120
Award of Master of Science (8 taught units plus dissertation or 10 taught units plus critical literature review)	180

Occupational Hygiene Full and Part time Unit schedule

3Yr	Y1		Y2		Y3
PT	Semester 1	Semester 2	Semester 1	Semester 2	All year

POPH68881 Self-selected 15 credit unit from the below semester 2 course unit list

POPH68861 Introduction to Work-related Ill Health

POPH68821 Understanding Physical Agents

POPH60161 Occupational Exposure Control

POPH68802 Research Methods and Data Analysis

POPH68892 Occupational Health Management

POPH69000 Dissertation or

POPH63170 Critical Literature Review plus two self-selection course units from the below list

	Y1	Y2
	Semester 1	Semester 1
2Yr PT	POPH68881 Fundamentals of Occupational Health	POPH68821 Understanding Physical Agents
	POPH68861 Introduction to Work-related Ill Health	POPH60161 Occupational Exposure Control
		POPH69000 Dissertation or
		POPH63170 Critical Literature Review plus two self-selection course units from the below list
	Semester 2	Semester 2
	Self-selected 15 credit unit from the below semester 2 course unit list	POPH68802 Research Methods and Data Analysis
	POPH63182 Occupational Exposure Assessment	POPH68892 Occupational Health Management
1Yr FT	POPH68881 Fundamentals of Occupational Health	Self-selected 15 credit unit from the below semester 2 course unit list
	POPH68861 Introduction to Work-related Ill Health	POPH63182 Occupational Exposure Assessment
	POPH68821 Understanding Physical Agents	POPH68802 Research Methods and Data Analysis
	POPH60161 Occupational Exposure Control	POPH68892 Occupational Health Management

POPH69000 Dissertation or

POPH63170 Critical Literature Review plus two
self-selection course units from the below list

Occupational Hygiene Self-selection Course Unit List

Unit Title	Subject	Course Number
Semester 1 Units		
Management of Occupationally Related Diseases	POPH	68811
Communicable Disease Control	POPH	62051
Health Promotion Theory and Methods	POPH	60021
Qualitative Research Methods	POPH	63121
Global Health into the 21st Century	POPH	62311
Global Women's Public Health	POPH	62411
Evidence Based Practice	POPH	60041
Semester 2 Units		
Work and Musculoskeletal Conditions	POPH	68842
Stress, Work and Occupational Factors	POPH	68832
Practical Statistics for Population Health	POPH	60982
Health System Challenges	POPH	62212
Emergency Planning, Response and Resilience	POPH	64132
Working with Communities	POPH	60072
Economic Evaluation in Healthcare	POPH	60092
Digital Public Health	POPH	65022
Climate Change & Health	POPH	65042
Introduction to Health Policy	POPH	65052
Behaviour Change & Public Health	POPH	65062
Public Health & the Antibiotic Crisis	POPH	65072
Implementation Sciences	POPH	64552

Course Unit Information

The teaching material has been designed to fulfil the requirements of a postgraduate academic programme. Completion of each course unit contributes 15 credits towards the total of 60 credits required to complete the Postgraduate Certificate and 120 credits required to complete the Postgraduate Diploma. In order to achieve the 180 credits required to complete MSc you must additionally either complete the Dissertation (worth 60 credits) or complete the Critical Literature Review (30 credits) and two further taught units (worth 15 credits each).

The course unit specifications can be found online [here](#) (Medicine) and [here](#) (Hygiene), on the programme's web page.

Modes of study

Our online taught postgraduate programmes are delivered through specially commissioned online materials supported by online lectures, webinars, group discussion and tutorials. Optional, complementary face to face teaching at our practical experience days are provided where relevant.

All online materials are accessed via the University's Central Learning Environment (CLE). Therefore, you will require regular access to a personal computer or laptop (Windows or Mac) with a stable internet connection. You should be confident in using the internet for web browsing and sending emails and also using word processing software, such as Microsoft Word.

Key dates

For clarity, each of the taught units and the dissertation unit has a separate, downloadable timetable containing the assessment deadlines/exam dates as well as the marks and feedback release dates. These timetables can be accessed from the 'Course Unit Information' page for each unit on the CLE.

Semester launch events

An online semester launch event is held at the start of each Semester (dates are provided at the start of each academic year in your CLE). During these events the information to be covered during the semester will be introduced and you will be provided with direction for your online learning. The events also provide an opportunity to network and to meet fellow students and professionals.

The Semester launch events are recorded and uploaded to the CLE.

Online seminars and tutorials

All units are supported by online tutorials and an assessment webinar. The tutorials are designed using problem-based learning and provide the opportunity to raise any academic queries with your assigned tutor. To help you prepare for the Unit assessments we also hold an assessment Q & A session for each assessment or exam. During the session, tutors will take you through the assignment/exam brief and you then have an opportunity to ask any questions. Attendance at the online tutorials and assessment webinar is not mandatory but in order for you to get the most out of your programme of

study attendance is strongly encouraged. The online tutorials are recorded and uploaded to the CLE for you to access at a later date.

As a student you are also invited to attend the Centre for Occupational and Environmental Health (COEH) seminar series. These are held once or twice a month and are delivered by experts on a wide range of topics. These online sessions typically last about one hour with a 45 minute presentation and 15 minutes for questions. The seminars are open to all students and also to a wider audience including academic colleagues within the University and physicians who participate in the THOR surveillance network. You also have access to the recordings from previous sessions.

Timetables and information regarding online tutorials and seminars can be found on the CLE.

Practical Occupational Hygiene and Medicine on campus events

During your study we may offer optional, voluntary practical experiential learning days, largely focused upon practical occupational hygiene and medical assessments, depending upon your course of study. These learning days are not compulsory and are held on University campus in Manchester

All students on the Occupational Medicine and Occupational Hygiene programmes are invited to attend. Whilst this is optional we strongly recommend attendance as students find the course highly beneficial. Registration costs are included in your programme fee, however travel and accommodation costs associated with visiting campus are not included. Occupational Hygiene students must attend the practical course if they wish to benefit from the BOHS credit arrangements towards the BOHS Certificate of Competence. This applies to our units Occupational Exposure Assessment and Occupational Exposure Control.

Programme Changes/Cancellation

In exceptional circumstances the Programme Director may need to make changes to/cancel a scheduled event at very short notice, i.e. due to facilitator ill health, problems with venues, etc. In this event, we will make every effort to let you know in advance. We will always use your university email address and CLE for these announcements. Please check your university email address regularly and keep us informed of any changes to your contact details.

Teaching, Learning and Assessment

Summative assessment takes place in each unit and is submitted online via the CLE. For each unit, this will take the form of one or more of the following:

- Written assignments, including reports and essays
- Presentations and oral assessment
- Multiple Choice Question exams
- Short Answer Question exams

Your assessments are marked by the tutors and feedback is provided using a rubric system. This assessment feedback is designed to feed forward into your subsequent assessments.

Successful progression through the course relies on **self-directed learning**. It is up to you to plan your time and we strongly suggest that you consider the unit timetables in conjunction with the syllabus to help you with this. Your success is dependent on considerable commitment and self-discipline.

In order to get the most out of the course we also strongly encourage you to participate **actively** in seminars and tutorials – not only to complete the course but to benefit from the resulting exchanges of ideas.

We recommend that you allow approximately 150 hours of study time per 15 credit unit. This should include activities such as studying the teaching material, participating in supporting activities, completing online activities, preparing and submitting assessments and revising for and sitting the examinations.

Please note that you will be responsible for any incidental costs of the course, e.g.:

- travel to and from any optional face-to-face workshops
- board and lodging during any optional residential workshops

IMPORTANT: we will be using your **university email account** as the main method of communication with you. You are advised to **check any spam or other filtered folders regularly** in case emails and documents do not reach your inbox. You are responsible for ensuring that we always have your most up to date contact information.

Summative Assessment Submission

Students are required to pass all summative assessments to progress through the programme, in accordance with the assessment regulations of the University. All marks will be subject to ratification at the relevant Examination Board.

Exemptions to the UoM Degree regulations for students taking 30 Credit CLR

This programme will treat 30 credit CLR as –Research– units and all other 150 credits as –Taught–.

Up to 75 credits are eligible for referral.

Compensation limited to 40 credits as per normal regulations.

AP(E)L up to 60 credits for Masters- The CLR is not eligible for AP(E)L

Standard Dissertation regulations are applied to 30 credit CLR : Students will only be permitted to resit if first mark is above 30%. The Exam Board can grant up to 3 months to re-submit.

Exit Awards

Early exit awards are available for students enrolled on the MSc who need to exit the programme early due to unforeseen circumstances or for those that do not satisfy the criteria for their registered programme.

As below, for the award of:

- Postgraduate Diploma – students must accrue 120 credits across the programme, including any provision made for compensated or referred units
- Postgraduate Certificate – students must accrue 60 credits across the programme, including any provision made for compensated or referred units