# FACULTY OF OCCUPATIONAL MEDICINE ASSESSMENT BLUEPRINT MATRIX, MAPPED AGAINST THE COMPETENCIES OF THE APPROVED CURRICULUM

#### 1 Good Occupational Health Practice

#### 1.1 Good Clinical Care

#### (i) History, Examination, Investigation & Record Keeping Skills:

#### Competency:

To be able to carry out specialist assessment of patients by means of clinical history taking, physical examination and use of relevant investigations.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	СВD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  • Define the patterns of symptoms found in patients presenting with disease, as well as the patterns related to occupational attribution.CL1	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	<ul> <li>Define the pathophysiological basis of physical signs. CL1</li> </ul>	No	Yes	No	Yes	No	No	Yes	No	No	No
	Define the clinical signs found in diseases. CL1	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	<ul> <li>Define the pathophysiological basis of investigations, including those relevant to occupational attribution, and functional prognosis. CL1</li> </ul>	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Define the indications for investigations. CL1	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Define the risks and benefits of investigations. CL1	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Outline the cost effectiveness of individual investigations. CL1	No	Yes	Yes	No	No	No	Yes	No	No	No
S:	Take and analyse a clinical and occupational history including an exposure history in a relevant, succinct and systematic manner.	No	Yes	Yes	Yes	No	No	Yes	No	No	No
	<ul> <li>Overcome difficulties of language, physical and mental impairment.</li> </ul>	No	Yes	Yes	Yes	No	No	Yes	No	No	No
	Use interpreters and advocates appropriately. CL1	No	Yes	No	Yes	No	Yes	Yes	No	No	No
	Perform a reliable and appropriate examination.	No	Yes	No	Yes	Yes	No	No	No	No	No

	•	Interpret the results of investigations, including										
	•	especially those relating to occupational attribution and functional prognosis. CL1	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	•	Perform investigations competently where relevant. CL1	No	Yes	Yes	No	No	No	No	No	No	No
	•	Liaise and discuss investigations with colleagues and order them appropriately. CL1	No	No	No	No	No	Yes	Yes	No	No	No
	•	Record concisely, accurately, confidentially and legibly all medical records, and date and sign all records. CL1	No	No	No	No	No	Yes	Yes	No	No	No
A:	•	Show empathy with and listen to patients CL1	No	Yes	No	Yes	No	Yes	No	No	No	No
	•	Appreciate the importance and interaction of psychological and social factors in patient's disease and illness behaviour. [Coggon 2005] CL1	No	Yes	Yes	Yes	No	No	Yes	No	No	No
	•	Respect patient's dignity and confidentiality.	No	No	No	No	No	Yes	Yes	No	No	No
	•	Acknowledge cultural issues. CL1	No	No	No	No	No	Yes	Yes	No	No	No
	•	Appreciate the need for a chaperone and/or 'advocate'. CL1	No	No	Yes	No	No	Yes	Yes	No	No	No
	•	Understand the importance of multidisciplinary team working in all aspects of patient care CL1	No	No	Yes	No	No	Yes	Yes	No	Yes	No
	•	Show a willingness to provide explanation to the patient as to rationale for investigations, and possible unwanted effects. CL1	No	No	Yes	No	No	No	Yes	Yes	No	No
	•	Show an understanding of the role of and respect for other health care staff CL1	No	No	No	No	No	Yes	Yes	No	Yes	No

# (ii) Managing Chronic Disease:

# Competency:

To be able to carry out assessment of patients with chronic disease or rehabilitating from acute injury or ill health and to demonstrate effective management of chronic disease states in a workplace setting.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertatio n
K:	Be able to understand:  • The clinical presentation and natural history of patients with chronic disease. CL1	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	And recognise the consequences of therapeutic use of drugs, or of misuse or abuse of drugs or other substances on health, safety and performance	Yes	No	Yes	No	No	No	Yes	No	No	No
	The psychological, social, domestic as well as occupational impact of chronic disease. CL1	Yes	No	Yes	No	No	No	Yes	No	No	No
	The role of rehabilitation services and the occupational physician's contribution. CL1	Yes	No	Yes	No	No	No	Yes	No	No	No
	<ul> <li>The concept of quality of life and how it can be assessed. CL1</li> </ul>	No	No	No	No	No	No	Yes	No	No	No
	Be able to: Assess capacity for work and prognosis through a comprehensive clinical and workplace based approach. CL1	No	Yes	Yes	Yes	No	No	Yes	No	No	No
S:	<ul> <li>Set long term realistic goals and rehabilitation management including monitoring and reassessment plans in consultation with the patient. CL1</li> </ul>	No	No	Yes	No	No	No	Yes	No	No	No
	Act as an advocate in negotiations with support										
	services.	No	No	Yes	No	No	No	Yes	Yes	No	No
	Advise on reasonable workplace adjustments. CL1	No	No	Yes	No	No	No	Yes	Yes	No	No
	Assess suitability for ill health retirement. CL1	Yes	No	Yes	No	No	No	Yes	Yes	No	No
A:	Appreciate the effects of chronic disease states on fitness for work and on quality of life. CL1	No	No	Yes	No	No	No	Yes	No	No	No
	<ul> <li>Appreciate the importance of listening to patients and of supportive relationships with patients with chronic disease, and relevant stakeholders in their care and management. CL1</li> </ul>	No	No	Yes	No	No	No	Yes	No	No	No

# 1.2 Time Management & Decision making:

# Competency:

To demonstrate that the knowledge, skills and attitudes are used to manage time and problems effectively

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  The need for action and how to initiate that action.	No	No	Yes	No	No	No	Yes	No	Yes	No
	Which activities take priority	No	No	Yes	No	No	No	Yes	No	Yes	No
	The priorities and perspectives of relevant stakeholders i.e. management and workforce	No	No	Yes	No	No	No	Yes	No	Yes	No
	The importance of completing tasks in a timely manner and communicating with others if this will not be possible	No	No	Yes	No	No	No	Yes	No	Yes	Yes
S:	Be able to:  Start with the most important tasks.	No	No	Yes	No	No	No	Yes	No	Yes	No
	Work more efficiently as clinical skills develop.	No	No	Yes	No	No	No	Yes	No	Yes	No
	Recognise when he/she is falling behind and reprioritise or call for help	No	No	Yes	No	No	No	Yes	No	Yes	No
A:	Have realistic expectations of tasks to be completed by self and others	No	No	Yes	No	No	No	Yes	No	Yes	In part
	Be willing to consult and work as part of a team	No	No	Yes	No	No	Yes	Yes	No	Yes	In part
	Be flexible and willing to change as situations progress	No	No	Yes	No	No	Yes	Yes	No	Yes	In part

#### 1.3. Information

# (i) Education & Disease Prevention:

# Competency:

To ensure that the knowledge, skills and attitudes are used to educate patients and others in a workplace setting effectively.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  The strategies to improve adherence to health related initiatives	Yes	No	Yes	No	No	No	Yes	No	No	No
	Principles of primary & secondary prevention and screening.	Yes	No	Yes	No	No	No	Yes	No	No	No
	The socio-economic, lifestyle, genetic and other risk factors for disease	Yes	No	Yes	No	No	No	Yes	No	No	No
	The impact of individual behaviour and lifestyle factors on health and wellbeing CL1	Yes	No	Yes	No	No	No	Yes	No	No	No
	Relevant legislation and support services	Yes	No	Yes	No	No	No	Yes	No	No	No
	The methods of data collection and their limitations.	Yes	No	Yes	No	No	No	Yes	No	No	No
	The criteria, schemes and methods for the statutory and/or voluntary reporting of occupational and/or work-related disease.	Yes	No	Yes	No	No	No	Yes	No	No	No
S:	Be able to:  Assess an individual patient's risk factors.	No	Yes	Yes	Yes	No	No	Yes	No	No	No
	Encourage participation in appropriate disease prevention or screening programmes.	No	No	Yes	No	No	No	Yes	No	No	No
	Advise on lifestyle changes.	No	No	Yes	No	No	No	Yes	No	No	No
	Involve other health care workers, prevention and liaison services as appropriate.	No	No	Yes	No	No	No	Yes	No	No	No
A:	<ul> <li>Encourage patients to access further information and support groups including appropriate workplace support e.g. employee assistance programmes. CL1</li> </ul>	No	No	Yes	No	No	No	Yes	No	No	No
	<ul><li>Act in a non-judgemental manner</li><li>Suggest patient support groups as appropriate</li></ul>	No	No	No	No	No	Yes	Yes	No	No	No
	Respect patient choice.	No	No	No	No	No	Yes	Yes	No	No	No

# (ii) Health promotion

# Competency;

To assess the need for, organise, deliver and evaluate health promotion in a range of working environments.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	<ul><li>Understand:</li><li>Major health risks relevant to working populations.</li></ul>	Yes	No	Yes	No	No	No	Yes	No	No	No
	Principles of health promotion and education.	Yes	No	Yes	No	No	No	Yes	No	No	No
	Health promotion agencies and sources of information.	Yes	No	Yes	No	No	No	Yes	No	No	No
S:	Be able to:  • Assess needs for health promotion in a workforce.	No	No	Yes	No	No	No	Yes	No	No	No
	Give advice on nutritional and other healthy lifestyle issues.	No	No	Yes	No	No	No	Yes	Yes	No	No
	Organise, provide and evaluate health promotion programmes.	No	No	Yes	No	No	No	No	No	No	No
	Participate in the delivery of health education in a range of settings.	No	No	Yes	No	No	No	No	No	No	No
	Liaise with other health professionals.	No	No	Yes	No	No	No	No	No	No	No

# (iii) Information Management.

#### Competency:

To demonstrate competence in the use and management of health information.

10 ae	monstrate competence in the use and management of health inf	ormation.	1	T	1	1	1	1	1	1	
	Subject matter	Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  How to retrieve and use data recorded in clinical systems.	No	No	No	No	Yes	No	No	No	No	Yes
	The main local and national projects and initiatives in information technology and its application.	Yes	No	Yes	No	No	No	Yes	No	No	No
	The range of possible uses for clinical data and information and appreciate the dangers and benefits of aggregating clinical data.	Yes	No	No	No	No	No	Yes	No	No	No
S:	Be able to: Demonstrate competent use of database, spreadsheet & word processing programmes.	No	No	No	No	Yes	No	No	No	No	Yes
	Undertake searches and access web sites and health related databases.	No	No	Yes	No	Yes	No	No	No	No	Yes
	Apply the principles of confidentiality and their implementation in terms of clinical practice in the context of information technology.	No	No	No	No	No	No	Yes	No	No	Yes
A:	Demonstrate the acquisition of attitudes in patient consultations to make maximum use of information technology.	No	Yes	No	No	No	No	Yes	No	No	No
	Demonstrate appropriate techniques to be able to share information on computer with the patient in a constructive manner.	No	No	No	No	No	No	Yes	No	Yes	No

#### 1.4 General Principles of Assessment & Management of Occupational Hazards to Health

Competency: number of 'specialist' subsections e.g. Mental health, Ergonomics, HAVS, Toxicology, rheumatology, respiratory medicine, Dermatology

The HAVS competences could follow the FOM syllabus (but we have not revisited this subject in this context of the competencies remit), an example for Mental health is given below,

(i) . To correctly carry out specialist assessment and management of Occupational Hazards to Health in a range of working environments.

			Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	СВD	SAIL	Trainer's report	MFOM dissertation
K:	Be •	able to understand:  Physical, chemical, biological, ergonomic, psychosocial and other hazards to health in the workplace, and the illnesses, which they cause.	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	•	Sources of information on and methods of evaluating and controlling risk.	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	•	Principles of toxicology, physical (including thermal, noise, vibration and radiation) hazards, occupational hygiene and ergonomics.	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	•	Occupational health standards, biological monitoring and the principles of health surveillance.	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	•	Clinical features and investigation of occupational diseases.	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	•	Emergency treatment of acute poisoning, physical and other injury at work.	Yes	Yes	Yes	No	No	No	Yes	No	NI-	NI-
	•	The principles of health risk management in the workplace	Yes	Yes	Yes	No	No	No	Yes	No	No	No
S:	Be •	able to: Undertake assessments of working environment, recognise hazards and provide preliminary advice CL1	No	Yes	Yes	No	Yes	No	Yes	No	No	No
	•	Undertake quantitative measurements, arrange and interpret more detailed measurements and advise on control measures.	No	Yes	Yes	No	Yes	No	Yes	No	No	No
	•	Recognise those situations where specialist assessment of the working environment is needed and be able to seek and evaluate advice.	No	No	Yes	No	No	No	Yes	No	No	No
	•	Diagnose work related ill health and provide advice on prognosis, prevention and management. CL1	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
	•	Carry out and evaluate health surveillance including biological monitoring for workers exposed to occupational hazards. CL1	No	Yes	Yes	No	No	No	Yes	No	No	No

	Customise assessments to subgroups (such as pregnant women) and to individuals	No	No	Yes	No	No	No	Yes	No	No	No
	<ul> <li>Evaluate and advise on first aid facilities in the workplace.</li> <li>Describe &amp; discuss, with examples, the implementation of health risk management in the workplace</li> <li>Negotiate effective occupational health interventions</li> </ul>	No	No	Yes	No	No	No	Yes	No	No	No
A:	<ul> <li>A commitment to liaison with safety representatives, safety officers, occupational hygienists, ergonomists and other specialists in the assessment of working environments.</li> </ul>	No	No	Yes	No	No	No	No	No	Yes	No

# Competency:

(ii).To be able to assess mental health and evaluate fitness for work. Potentially any health problem might have to be assessed, but those seen more commonly in occupational health practice relate to Mental Health, Ergonomics, HAVS (Hand-Arm Vibration Syndrome), Toxicology, Rheumatology, Respiratory Medicine, Dermatology, Cardiology and ENT

An example for mental health is given below

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	СВD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  • The spectrum of mental health disorders and presenting symptoms CL1	Yes	No	No	Yes	No	No	Yes	No	No	No
	The range of appropriate interventions to assist those with mental health problems	Yes	No	No	No	No	No	Yes	No	No	No
	The changing nature of work CL1	Yes	No	No	No	No	No	Yes	No	No	No
	How good management practice can help to reduce work-related health issues	Yes	No	No	No	No	No	Yes	No	No	No
	The key components of a mental health policy	Yes	No	No	No	No	No	Yes	No	No	No
	The Role of the Occupational physician in mental health issues at work	Yes	No	No	No	No	No	Yes	No	No	No
	The importance of a multidisciplinary approach to mental health issues at work	Yes	No	No	No	No	Yes	Yes	No	Yes	No
	Individual susceptibility and coping strategies	Yes	No	No	No	No	Yes	Yes	No	No	No
	Mental health issues and the law	Yes	No	No	No	No	Yes	Yes	No	No	No

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
S:	Be able to:  Identify relevant symptoms of mental illness in the workplace CL1	Yes	Yes	No	Yes	No	No	Yes	No	No	No
	Assist others in identifying relevant symptoms CL1	No	No	Yes	No	No	Yes	Yes	No	No	No
	Access appropriate support for employees via counselling, EAP or other support services	No	No	Yes	No	No	Yes	Yes	Yes	No	No
	Draft a policy on mental health and the workplace	No	No	Yes	No	No	No	No	No	No	No
	Advise others on relevant legislation	No	No	Yes	No	No	Yes	Yes	Yes	No	No
	Assist in the implementation of appropriate workplace interventions and rehabilitation CL1	No	No	Yes	No	No	Yes	Yes	Yes	No	No
A:	Work in conjunction with professional colleagues and other advisors. CL1	No	No	No	No	No	Yes	No	Yes	Yes	No
	Have a non-judgemental attitude CL1	No	No	No	Yes	No	Yes	No	No	Yes	No
	Provide a supportive environment	No	No	No	Yes	No	Yes	No	No	Yes	No
	<ul> <li>Be aware of relevant symptoms in oneself or colleagues and act appropriately</li> </ul>	No	No	No	No	No	Yes	No	Yes	No	No

# 1.5 Assessment of Disability and Fitness for Work.

# Competency:

To be able to assess functional capacity and evaluate fitness for work.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand: Principles of assessing fitness for work. CL1	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Statutory requirements of fitness for specific jobs.	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Principles and practice of rehabilitation and redeployment at work. CL1	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Principles and practice of ergonomics as applied to job task adjustment. CL1	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Individual and general factors affecting sickness absence. CL1	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Principles of social welfare and other disability benefits. CL1	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Ill health retirement and pension scheme functioning.	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Impact, scope and application of Disability Legislation in the workplace. CL1	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
S:	Be able to:										
	Perform clinical assessment of disability and fitness for work at pre-employment and post-illness/injury. (With special reference to cardio-respiratory, rheumatologic and mental health assessments, whilst recognising the importance of assessing all relevant systems)	No	Yes	Yes	Yes	Yes	No	Yes	No	No	No
	Assess capability for work in those with a disablement/impairment. CL1	No	Yes	Yes	Yes	Yes	No	Yes	No	No	No
	Manage cases suitable for rehabilitation and resettlement. CL1	No	Yes	Yes	Yes	Yes	No	Yes	No	No	No
	Advise on impairment, disability, fitness for work, rehabilitation and redeployment. CL1	No	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No
	Liaise with other health professionals in assessing capability for work. CL1	No	No	Yes	Yes	Yes	No	Yes	Yes	No	No

		<ul> <li>Advise on sickness absence and ill health retirement. CL1</li> </ul>	No	No	Yes	Yes	Yes	No	Yes	Yes	No	No	
Δ	<b>\</b> :	<ul> <li>Work in conjunction with professional colleagues and other advisors. CL1</li> </ul>	No	No	Yes	No	No	No	Yes	Yes	Yes	No	

#### 1.6 Environmental Issues Related to Work Practice.

# Competency:

To be able to recognise and advise on health risks in the general environment arising from industrial activities.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	СВD	SAIL	Trainer's report	MFOM dissertation
K:	Be Able to Understand:  Physical, chemical and biological hazards to health arising in the environment from industrial activities.	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	Basic toxicology of environmental pollutants.	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	<ul> <li>Methods for assessing and controlling environmental hazards and major industrial accidental hazards.</li> </ul>	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	<ul> <li>Principles of integrated pollution control and incident control.</li> </ul>	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	<ul> <li>The role of other professional groups with an interest in environmental health.</li> </ul>	Yes	Yes	Yes	No	No	Yes	Yes	No	No	No
	<ul> <li>Dangerous Substances (storage, packaging, labelling and conveyance).</li> </ul>	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	<ul> <li>Relevant legislation to protect the environment from industrial pollution.</li> </ul>	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	Be able to:  Recognise and advise on the management of health risks from, and the control of hazardous exposure in the general environment arising from industrial activities.	Yes	Yes	Yes	No	No	No	Yes	No	No	No
S:	<ul> <li>liaise with other specialists responsible for environmental and community health, including public health physicians and environmental health officers.</li> </ul>	No	No	Yes	No	No	Yes	Yes	Yes	No	No
	Identify courses of information on anyirons and										
	<ul> <li>Identify sources of information on environmental hazards and their control.</li> </ul>	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	Liaise with emergency personnel in the event of an industrial incident.	No	No	No	No	No	No	No	Yes	No	No

	•	Carry out an environmental impact assessment in so far as applicable to human health as directly determined by industrial activity, and to recognise and recruit other specialist input as appropriate	No	No	Yes	No	No	No	Yes	No	No	No
A:	•	Cooperate and liaise with health professionals and other colleagues, and organisations.	No	No	Yes	No	No	Yes	No	Yes	Yes	No
	•	Respect the integrity of the environment	No	No	No	No	No	No	No	No	Yes	No

# 2 Maintaining Good Medical Practice

# 2.1 Learning

# Competency:

To develop a commitment to the concept of life long learning.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  Continuing professional development.	No	No	Yes	No	No	No	No	No	No	No
S:	Be able to:  Recognise and use learning opportunities and learning skills.	No	No	Yes	No	No	No	Yes	No	Yes	Yes
	use the potential of study leave to keep oneself up to date	No	No	No	No	No	No	No	No	Yes	No
A:	Be: Self-motivated.	No	No	No	No	No	No	No	No	Yes	No
	Eager to learn.	No	No	No	No	No	No	No	No	Yes	No
	Show:  • Willingness to learn from colleagues.	No	No	No	No	No	Yes	No	No	Yes	No
	Willingness to accept criticism.	No	No	No	No	No	Yes	No	No	Yes	No

# 2.2 Research

# Competency:

To demonstrate an effective involvement with a research project and to undertake research and have a good knowledge of research methodology.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	СВD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to Understand:  How to design a research study.	No	No	No	No	No	No	No	No	No	Yes
	How to use appropriate statistical methods	Yes	Yes	No	No	No	No	No	No	No	Yes
	The principles of research ethics.	Yes	Yes	No	No	No	No	No	No	No	Yes
	How to write a scientific paper.	No	No	No	No	No	No	No	No	No	Yes
	Sources of research funding.	No	No	No	No	No	No	No	No	No	In part
	The principles and application of epidemiological methods in research and in problem solving	Yes	Yes	No	No	No	No	No	No	No	Yes
	The application of medical statistics and the interpretation of statistical analysis methods in scientific research.	Yes	Yes	No	No	No	No	No	No	No	Yes
	Computer based systems for data collection and analysis.	Yes	Yes	No	No	No	No	No	No	No	Yes
	Ethical considerations in research.	Yes	Yes	No	No	No	No	No	No	No	Yes
S:	Be able to:  Define a problem in terms of needs for an evidence base	No	No	Yes	No	No	No	No	No	No	Yes
	Undertake a systematic literature search	No	No	Yes	No	No	No	No	No	No	Yes
	Undertake a systematic and critical appraisal and review of scientific literature.	No	No	Yes	No	No	No	No	No	No	Yes
	Produce an evidence based digest of the literature [Franco 2005]	No	No	Yes	No	No	No	No	No	No	Yes
	Frame questions to be answered by a research project.	No	No	Yes	No	No	No	No	No	No	Yes
	Develop protocols and methods for research.	No	No	Yes	No	No	No	No	No	No	Yes
	Execute an appropriate study design. [Agius 2005].  Plan data collection for simple surveys including sample selection and methods of recording and storing data	No	No	Yes	No	No	No	No	No	No	Yes

	Use databases.									No	Yes
	Accurately analyse data statistically									No	Yes
	Demonstrate good written and verbal presentation skills.	In part	In part	Yes	No	In part	No	No	No	No	Yes
	Present investigations and results in the format of a research based report.		Part			part				No	Yes
	Write a scientific paper for peer-reviewed publication.									No	Yes
A:	Demonstrate curiosity and a critical spirit of enquiry, and where appropriate a critical attitude towards current practice	No	No	No	No	No	No	No	No	Yes	Yes
	Acceptance of the need for critical review and for research so as to found a solid base for good practice	No	No	No	No	No	No	No	No	Yes	In part
	Ensure patient confidentiality.	No	No	No	No	No	No	No	No	Yes	In part
	Demonstrate knowledge of the importance of ethical approval and patient consent for clinical research.	No	No	No	No	No	No	No	No	No	Yes
	Respect individual confidentiality when presenting data.	No	No	No	No	No	No	No	No	No	Yes
	Disposition to cooperation and liaison with statisticians and other research colleagues	No	No	No	No	No	No	No	No	No	Yes

# 2.3 Clinical Governance

# Competency:

To demonstrate an understanding of the context, the meaning and the implementation of Clinical Governance.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  The key strands of Clinical Governance.	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	The working of the National Health Service.	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	Relevant Health & Safety policy.	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	The concept of risk assessment, measurement of risk, and risk perception.	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	The principles of evidence based medicine.	Yes	Yes	Yes	No	No	No	Yes	No	No	No

	Methods of determining best practice.	Yes	Yes	Yes	No	No	No	Yes	No	No	No
S:	Be able to:									No	No
	Critically appraise medical data research.	No	Yes	Yes	No	No	No	No	No	No	No
	Practise evidence based medicine.	No	No	Yes	No	No	No	No	No	Yes	No
	Be able to handle and deal with complaints in a focused and constructive manner.	No	No	Yes	No	No	Yes	Yes	Yes	No	No
	Develop and institute clinical guidelines and integrated care pathways. Be aware of advantages and disadvantages of guidelines.	No	No	Yes	No	No	No	Yes	No	No	No
	Report and investigate critical incidents.	No	No	Yes	No	No	No	No	No	No	No
	Take appropriate action if you suspect you or a colleague may not be fit to practice.	No	No	No	No	No	No	No	No	No	No
	Confidentially and authoritatively discuss risks with patients to obtain informed consent.	No	No	No	No	No	In part	No	No	Yes	No
	Be able to balance risk and benefits with patients	No	No	No	No	No	Yes	No	No	No	No
	Be an active participant in clinical governance.	No	No	Yes	No	No	No	No	No	Yes	No
A:											
	Be actively involved in audit cycles.	No	No	Yes	No	No	No	No	No	Yes	No
	Respect patient's privacy, dignity & confidentiality	No	No	Yes	No	No	No	No	No	Yes	No
	Be prepared to learn from experience, errors and complaints.	No	No	No	No	No	In part	No	No	Yes	No
	Share best practice with others.	No	No	No	No	No	In part	No	No	Yes	No
	Willingness to use guidelines as appropriate.	No	No	No	No	No	In part	No	No	Yes	No

# 2.4 Role specific competencies

# Competency:

To demonstrate the capacity to apply specialist competencies in Occupational Medicine to a particular workplace.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  The determinants of role specific competency, especially: type of industry, type of jobs and hence 'exposures', demography of workforce, culture within the society, sector, employers and employees	No	No	Yes	No	No	No	Yes	No	No	No
S:	Be able to:  Identify the knowledge and skills gaps pertaining to specific roles in particular workplaces at different levels: society, the professional specialty, the occupational health service and the individual specialist	No	No	No	No	No	No	Yes	No	No	No
	Identify steps necessary to fill those gaps	No	No	No	No	No	No	Yes	No	No	No
	Implement an exemplar activity to fill a role-specific knowledge gap (critical literature search and review and/or original research, to contribute to the evidence base)	No	No	Yes	No	No	No	No	No	No	No
	Devise an occupational health service level agreement and personal specification applicable to the specific role	No	No	Yes	No	No	No	No	No	No	No
A:	To accept that specialist competencies have to be transferred to specific roles in the light of the underlying context	No	No	No	No	No	In part	No	No	Yes	No
	To accept the need for further personal development in order to fulfil specific roles	No	No	No	No	No	In part	No	No	Yes	No

# 2.5 Occupational health in a global market

# Competency:

To be able to determine the impact of the broader socio-political and cultural influence on occupational health practice.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  • The role of the EU in shaping OH practice in the UK	Yes	Yes	No	No	No	No	Yes	No	No	No
	Organisation of occupational health services across the EU	Yes	Yes	No	No	No	No	Yes	No	No	No
	How legislation and practice in the UK are influenced by global developments	Yes	Yes	No	No	No	No	Yes	No	No	No
	Changes in the pattern of occupational disease	Yes	Yes	No	No	No	No	Yes	No	No	No
	The implications for health of global travel	Yes	Yes	No	No	No	No	Yes	No	No	No
	The role of WHO, ILO and other similar bodies	Yes	Yes	No	No	No	No	Yes	No	No	No
	The implications of biological, chemical, nuclear terrorism and emerging risks to health and safety of employees	Yes	No	No	No	No	No	Yes	No	No	No
	The importance of Fair Trade initiatives to health and well being of other communities	Yes	No	No	No	No	No	Yes	No	No	No
S:	Be able to:  Advise managers and others of their legal obligations under EU directives	No	Yes	Yes	No	No	No	Yes	Yes	No	No
	Ensure professional practice is compliant with relevant health and safety and employment law.	No	Yes	Yes	No	No	No	Yes	Yes	No	No
	Identify relevant symptoms of disease from employees returning from foreign travel	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
	Provide appropriate advice to travellers on health and safety	Yes	Yes	Yes	No	No	No	Yes	Yes	No	No
A:	Respond appropriately to cultural differences in health promotion and disease management	No	No	No	No	No	No	No	No	No	No
	Keep updated on government guidance on health impacts related to global threats to health and safety	No	No	No	No	No	No	No	No	Yes	No
	Enthusiasm to develop new skills relevant to the changing needs of occupational health	No	No	No	No	No	No	No	No	Yes	No

# 2.6 Teaching & Educational Supervision

# Competency:

To demonstrate the knowledge, skills and attitudes to provide appropriate teaching, learning and assessment.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  • Adult learning needs and styles	No	No	Yes	No	No	No	No	No	Yes	No
	The range and structure of teaching strategies.	No	No	Yes	No	No	No	No	No	No	No
	The principles of evaluation.	No	No	Yes	No	No	No	No	No	No	No
	The principles of assessment.	No	No	Yes	No	No	No	No	No	Yes	No
	Formative and summative assessment methods.	No	No	Yes	No	No	No	No	No	Yes	No
	The principles and structure of appraisal	No	No	Yes	No	No	No	No	No	Yes	No
S:	Be able to:  Identify learning outcomes.	No	No	Yes	No	No	No	No	No	Yes	No
	Construct educational objectives.	No	No	Yes	No	No	No	No	No	Yes	No
	Design and deliver an effective teaching event or short course	No	No	Yes	No	No	No	No	No	No	No
	Teach large and small groups effectively.	No	No	Yes	No	No	Yes	No	No	Yes	No
	Select and use appropriate teaching resources.	No	No	Yes	No	No	Yes	No	No	Yes	No
	Give constructive effective feedback.	No	No	Yes	No	No	Yes	No	No	Yes	No
	Evaluate programmes and events.	No	No	Yes	No	No	Yes	No	No	No	No
	Use appropriate assessment methods.	No	No	Yes	No	No	Yes	No	No	No	No
	Conduct effective appraisals	No	No	No	No	No	Yes	No	No	No	No
A:	Demonstrate a professional attitude towards teaching.	No	No	No	No	No	No	No	No	Yes	No
	Show commitment to teach.	No	No	No	No	No	No	No	No	Yes	No
	Demonstrate a learner-centred approach to teaching.	No	No	No	No	No	No	No	No	Yes	No
	Be honest and objective when assessing performance.	No	No	No	No	No	No	No	No	Yes	No
	Show respect for the person being assessed.	No	No	No	No	No	No	No	No	Yes	No

#### 3 Relationships with patients and communication

# 3.1 Ethical/legal issues

# Competency:

To ensure that knowledge and skills are used to cope with ethical and legal issues which occur in occupational health practice in a range of workplace settings.

		Written Exam	OSPE	Portfolio	Mini CEX	390°	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	To have read and understood the 'Guidance on Ethics' publication from the Faculty of Occupational Medicine  Be able to understand:  The process for gaining informed consent for clinical and research activities  Strategies to ensure privacy & confidentiality.  Responsibilities relating to data protection	No	Yes	No	No	No	No	Yes	No	No	In part
	the legal responsibilities for completing medical reports & certificates.	No	Yes	Yes	No	No	No	Yes	Yes	No	No
	Responsibilities in serious criminal matters.	No	Yes	Yes	No	No	No	Yes	No	No	No
S:	Be able to:  Give appropriate information in a manner patients understand and gain informed consent from patients and allow disclosure when appropriate.	No	Yes	No	No	No	No	Yes	Yes	No	No
	Make appropriate use of written and verbal material i.e. communicating with patients & others.	No	Yes	Yes	No	No	No	Yes		No	No
	Obtain suitable evidence or know whom to consult if in doubt.	No	Yes	Yes	No	No	No	Yes	No	No	No
A:	Consider the patient's needs as an individual.	No	No	No	No	Yes	Yes	No	Yes	No	No
	Respect the patient's right to confidentiality.	No	No	No	No	Yes	Yes	No	Yes	No	No

# 3.2 Maintaining Trust

# (i) Professional behaviour

Competency: To ensure that the knowledge, skills and attitudes are used to act in a professional manner at all times.

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		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  • The relevance of continuity of care.	No	No	Yes	No	No	No	Yes	No	Yes	No
	All aspects of a professional relationship.	No	No	Yes	No	No	No	Yes	No	Yes	No
	The importance of boundaries in professional relationships	No	No	Yes	No	No	No	Yes	No	Yes	No
	How to deal with challenging behaviour CL1		No	Yes	No	No	No	Yes	No	Yes	No
	The extent of one's own limitations and when and from whom to seek advice in matters of personal actions, competence, health and fitness. CL1	No	No	No	No	No	No	Yes	No	Yes	No
	<ul> <li>The importance of personal wellbeing in relation to physical and psychological health, and the potential impact of substance misuse. CL1</li> </ul>	No	No	No	No	No	No	Yes	No	Yes	No
	The support facilities for doctors and other health professionals. CL1	No	No	No	No	No	No	Yes	No	No	No
	The role and relevance to professional and regulatory bodies CL1	Yes	No	No	No	No	No	Yes	No	No	No
	One's responsibilities to the public. CL1	Yes	Yes	No	No	No	No	Yes	No	No	No
S:	Be able to:  Reflect on own practice by participation in an appraisal and audit process	No	No	Yes	No	No	No	No	No	Yes	No
	Recognise the situations when appropriate to involve regulatory and professional bodies CL1	No	No	No	No	No	No	Yes	No	No	No
	Recognise when personal health takes priority over work pressures and be able to take the necessary time off. CL1	No	No	No	No	No	No	No	No	(Yes)	No
	Ensure satisfactory completion of reasonable tasks with appropriate handover including documentation CL1	No	No	No	No	No	No	No	No	Yes	No
	Develop appropriate relationships that facilitate solutions to patients' problems. CL1	No	No	No	No	No	No	No	No	Yes	No
	Deal appropriately with behaviour falling outside the boundary of the agreed or ethical doctor-patient relationship. CL1	No	No	No	No	No	No	Yes	No	No	No

•	Be willing to admit mistakes and limitations and to consult and seek advice. CL1	No	No	No	No	No	No	No	No	Yes	No
•	Recognise personal health as an important issue.	No	No	No	No	No	No	No	No	(Yes)	No
•	Be willing to seek advice from other relevant health professionals on personal health issues CL1	No	No	No	No	No	No	No	No	(Yes)	No
•	Accept professional regulation. CL1	No	No	No	No	No	No	No	No	Yes	No
Recognise the importance of:  Adopting a non-discriminatory attitude to all patients and recognise their needs as individuals. CL1		No	In part	No	No	No	No	No	No	Yes	No
•	Seeking to identify the health care belief of the patient. CL1	No	No	No	Yes	No	No	No	No	Yes	No
•	Acknowledging patient rights to accept or reject advice. CL1	No	No	No	No	No	No	No	No	Yes	No
•	Securing equity of access to health care resources for all, especially minority groups	No	No	No	No	No	No	No	No	Yes	No

# 3.3 Communication Skills

# Competency:

To be able to communicate effectively with patients, employers, employees' representatives and professional colleagues in a range of working environments.

		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	СВD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  • How to structure the interview to identify the patient's:  - concerns  - expectations  - understanding  - acceptance CL1	No	Yes	No	Yes	No	No	No	No	No	No
	The importance of informed consent CL1	No	Yes	No	No	No	No	Yes	No	No	No
	The need to share information openly with others, but within ethical, professional and legal constraints of confidentiality CL1	No	Yes	No	No	No	No	Yes	No	No	No
	The local complaints procedures.	No	Yes	No	No	No	No	Yes	No	No	No
	Systems of independent review	No	Yes	No	No	No	No	Yes	No	No	No

	Organisation of occupational health services and the health service in UK and the role of the Health and Safety Executive and other statutory authorities. CL1	Yes	Yes	No	No	No	No	Yes	No	No	No
	Organisation and role of other health and safety professionals and disciplines. CL1		Yes	No	No	No	No	Yes	No	No	No
	Ethical guidelines for communications between occupational physicians, doctors, managers and others. CL1	Yes	Yes	No	No	No	No	Yes	No	No	No
S:	Be able to:  Listen to patients and other stakeholders. CL1	No	No	No	Yes	No	No	No	No	No	No
	Use open questions followed by appropriate closed questions. CL1	No	Yes	No	Yes	No	No	No	No	No	No
	communicate both orally and in writing to patients and others in a manner that they understand, avoiding jargon. CL1		No	No	Yes	No	No	No	Yes	No	No
	Give clear information and feedback to patients and share information with employers when appropriate. CL1	No	No	No	Yes	No	No	Yes	Yes	No	No
	Provide appropriate information on impact and prognosis. CL1	No	No	No	Yes	No	No	Yes	No	No	No
	Manage dissatisfied patients/ relatives. CL1	No	No	No	No	No	No	Yes	No	Yes	No
	Anticipate potential problems. CL1	No	No	No	No	No	No	Yes	No	Yes	No
	<ul> <li>Prepare written reports on a range of topics for a range of groups including managers, unions (e.g. for safety representatives) and health professionals.</li> </ul>	No	No	Yes	No	No	No	No	No	Yes	No
	Participate effectively in Committees and to act as a chairperson.	No	No	No	No	No	No	No	No	Yes	No
	Make clear oral presentations to a range of audiences using audiovisual equipment.	No	No	No	No	No	Yes	No	No	Yes	No
	Apply ethical principles when communicating with others about individuals. CL1	No	No	No	No	No	No	No	Yes	No	No
A:	Act with empathy, honesty fairness and sensitivity.	No	No	No	No	No	Yes	No	No	No	No
	Act in a timely and professional manner recognising your role in the organisation	No	No	No	No	No	Yes	No	No	Yes	No
	Be impartial when providing advice to managers/employers	No	No	No	No	No	Yes	No	No	Yes	No

# 4 Working with Colleagues

# 4.1 Team Working & Leadership Skills

**Competency:** To demonstrate the ability to respect others, work in multidisciplinary teams and within a management structure, as well as to have the necessary leadership skills.

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	Subject matter	Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	Be Able to understand:  Roles and responsibilities of team members and other relevant specialisms.	No	Yes	No	No	No	No	Yes	No	Yes	No
	How a team works effectively.	No	No	No	No	No	No	Yes	No	Yes	No
	Own professional status and specialist competence.	No	No	No	No	No	No	Yes	No	No	No
S:	Be able to: Respect skills and contribution of colleagues to be conscientious and work constructively.	No	No	No	No	No	No	No	No	Yes	No
	Demonstrate the ability for objective setting; lateral thinking; planning; motivating; organising; setting example; influencing and negotiation skills.	No	No	No	No	No	No	No	No	Yes	No
	Delegate, show leadership and supervise safely.	No	No	No	No	No	No	No	No	Yes	No
	Recognise when input from another specialty is required for individual patients.	No	No	No	No	No	No	Yes	No	Yes	No
	Prioritise activity and review progress	No	No	No	No	No	No	No	No	Yes	No
	Be an effective team player	No	No	No	No	No	Yes	No	No	Yes	No
A:	Recognise own limitations.	No	No	No	No	No	Yes	No	No	Yes	No
	Demonstrate enthusiasm; integrity; courage of convictions, imagination, determination, energy; and professional credibility.	No	No	No	No	No	No	No	No	Yes	No
	Respect colleagues, including non medical professionals, and recognise good advice.	No	No	No	No	No	No	No	No	Yes	No
	Accept that ethical standards and professional good practice take precedence over financial or other conflicts of interest.	No	No	No	No	No	No	Yes	No	Yes	No

# 4.2 Management

# Competency:

To have sufficient knowledge of the principles and practices of management and industrial relations to be an effective occupational physician in a range of occupational settings.

	Subject matter										_
		Written Exam	OSPE	Portfolio	Mini CEX	DOPS	MSF	CBD	SAIL	Trainer's report	MFOM dissertation
K:	Be able to understand:  Principles and practice of management.	No	No	Yes	No	No	No	Yes	No	No	No
	Industrial relations and the role of employers, unions and others.	No	No	Yes	No	No	No	Yes	No	No	No
	Basic financial arrangements for business including budgets.	No	No	Yes	No	No	No	Yes	No	No	No
	Techniques for needs assessments and marketing of occupational health services.	No	No	Yes	No	No	No	Yes	No	No	No
	Management structures in different organisations.	No	No	Yes	No	No	No	Yes	No	No	No
	Principles of audit in a business and professional healthcare context.	No	No	Yes	No	No	No	Yes	No	No	No
	How to Design a training course.	No	No	Yes	No	No	No	Yes	No	No	No
	Staff management, team-working and appraisal of performance.	No	No	Yes	No	No	No	Yes	No	No	No
	Excellence in service delivery and the concept of quality.	No	No	Yes	No	No	No	Yes	No	No	No
	Record management systems	No	No	Yes	No	No	No	Yes	No	No	No
S:	Be able to:     Demonstrate personal responsibility for aspects of management within a department of occupational medicine or equivalent in an independent practice.	No	No	No	No	No	Yes	No	No	Yes	No
	<ul> <li>Strategically plan and set objectives for delivering an occupational health service including negotiating and managing a budget.</li> </ul>	No	No	No	No	No	No	No	No	Yes	No
	Evaluate the effectiveness and quality of an occupational health service.	No	No	Yes	No	No	No	No	No	No	No
	Work with managers, supervisors, employees and employees' representatives.	No	No	No	No	No	Yes	No	No	No	No

	Participate in audit relevant to the needs of the business.	No	No	Yes	No	No	No	No	No	No	No
	Participate in selection, appointment, supervision and appraisal of staff.	No	No	Yes	No	No	No	No	No	No	No
	Be able to market an occupational health service.	No	No	Yes	No	No	No	No	No	No	No
	Define the roles of staff in providing an occupational health service and formulate job descriptions.	No	No	Yes	No	No	No	No	No	Yes	No
	<ul> <li>Collect and use information in the management of health and safety at work.</li> </ul>	No	No	Yes	No	No	No	No	No	No	No
A:	Be impartial when providing advice to managers/employers.	No	No	No	No	No	No	No	No	Yes	No