

Malta ICOM BSc (Hons)Osteopathy MAPPING DOCUMENT

Year	Code	Module	Hours	Credits	Contents	Learning Outcomes		
						Competency	Knowledge	Skill
1	OS 1.1	Anatomical Structure & Function	210	30	Embryology, Histology	<ul style="list-style-type: none"> Recognise and explain the key events in embryological development and relate them to human anatomical and physiological development. 	<ul style="list-style-type: none"> Describe the structure, function and interrelationships of the body systems, and their role in the maintenance of health. Explain the key physiological processes that maintain and regulate a healthy human body. 	<ul style="list-style-type: none"> Locate superficial anatomical structures and landmarks through observation and palpation.
					Biology, Biochemistry			
					Musculoskeletal Anatomy			
					Visceral Anatomy			
					Neuroanatomy and Physiology			
					Biomechanics			
General Physiology								
General Pathology								
OS 1.2	Osteopathic Principles and Techniques 1	162	20	Principles of Osteopathy	<ul style="list-style-type: none"> An understanding of the principles and concepts of osteopathic examination. Theoretical knowledge and practical skills in the effective and safe practice of taught osteopathic techniques. 	<ul style="list-style-type: none"> Explain the relationship between anatomical structural configuration and biomechanical function. Describe the principles and concepts underlying the philosophy and key concepts of osteopathy. 	<ul style="list-style-type: none"> An understanding of the principles and concepts of osteopathic examination. Theoretical knowledge and practical skills in the effective and safe practice of taught osteopathic techniques. 	
				Osteopathic Medicine				
				General Osteopathic Treatment				
OS 1.3	Professional practice 1	54	10	Ethics	<ul style="list-style-type: none"> Reflective skills that will enable the enhancement for self and patient management skills 	<ul style="list-style-type: none"> An understanding of the outline content and purpose of The European Framework for Standards of Osteopathic Practice. Effectively synthesise and apply appropriate models of reflection in the osteopathy clinic environment and relate them to professional and personal development. 	<ul style="list-style-type: none"> Apply appropriately evidence-based knowledge to a range of hypothetical clinical situation. Defining evidence-based practice. 	
				Academic writing				
2	OS 2.1	Human Disease & Dysfunction	144	20	Orthopaedics	<ul style="list-style-type: none"> Analyse and evaluate anatomy, physiology, and pathology to explain the manifestations of specific illness. Justify and evidence the osteopathic and allopathic management of illness using valid research. 	<ul style="list-style-type: none"> Demonstrate integration and understanding of anatomy, physiology and pathology to inform the osteopathic assessment and management and holistic care of specific illnesses. 	<ul style="list-style-type: none"> Appraise the management of illness using new technologies. Identify and describe the neuropathological mechanisms relating to a range of common neurological disorders.
					Radiology			
					Rheumatology			
					Neurology			
					Systemic Pathology			
	OS 2.2	Diagnostic Study	90	15	Differential Diagnosis of the Neuromusculoskeletal System	<ul style="list-style-type: none"> Identify and describe the neuropathological mechanisms relating to a range of common neurological disorders. Perform effective and comprehensive clinical examinations of a range of body systems including orthopaedic testing. 	<ul style="list-style-type: none"> Explain and interpret the aetiology, epidemiological and pathogenesis of disease processes and to discuss the processes whereby disease may affect the normal structure and function of the human body. Demonstrate an ability to integrate theoretical knowledge and practical skills in the performance of effective and safe practice of osteopathic treatment. 	<ul style="list-style-type: none"> Apply appropriately knowledge of anatomy, physiology and pathophysiology and apply it to the process of clinical examination and differential diagnosis.
					Medical Clinical Methods			
					Palpation and functional anatomy (orthopaedic and neurologic clinical examination methods)			
	OS 2.3	Osteopathic Principles and Techniques 2	120	15	Principles of Osteopathy	<ul style="list-style-type: none"> Demonstrate proficiency and competency in a broad range of osteopathic techniques, including HVT, myofascial, MET, functional and soft tissue. Justify how treatment enables alterations in physiological status with reference to osteopathic principles. 	<ul style="list-style-type: none"> Demonstrate an advanced knowledge of the palpatory characteristics of normal and abnormal tissues. Discuss and evaluate osteopathic treatment protocols and their appropriate application. 	<ul style="list-style-type: none"> Discuss and evaluate osteopathic treatment protocols and their appropriate application.
					Structural techniques			
Functional Techniques								
OS 2.4	Professional Practice 2	54	10	Research Methods and Statistics	<ul style="list-style-type: none"> Demonstrate professionalism as defined by the European Osteopathic Practice Standards and the 	<ul style="list-style-type: none"> Formulate appropriate research questions and relate these to clinical practice. 	<ul style="list-style-type: none"> Evaluate theoretical and practical issues for decision making in clinical practice. 	

					Ethics and Professionalism	CPCM code of ethics appropriate for commencement as a student practitioner.	<ul style="list-style-type: none"> Discuss a range of research methods, analyse and interpret data and appraise and review relevant literature. 	<ul style="list-style-type: none"> Analyse and reflect on clinical incidents
3	OS 3.1	Differential Diagnosis	90	15	Autonomic Nervous system	<ul style="list-style-type: none"> Elicit and logically retrieve relevant information during osteopathic case history examination using appropriate verbal and non-verbal communicative skills. Competently demonstrate an appropriate range of osteopathic and medical examination techniques in order to elicit a relevant and accurate working diagnosis. 	<ul style="list-style-type: none"> Appropriately identify those situations where further medical investigation may be indicated and follow established procedures correctly in making referrals. 	<ul style="list-style-type: none"> Explain the interrelationships between neuro-pathological and psychological processes for a range of common neurological disorders in the context of osteopathic diagnosis.
					Clinical Scenarios			
					Visceral Osteopathy			
	OS 3.2	Scope of Practice 1	90	15	Paediatrics Gynaecology & Obstetrics Osteopathic Approach to Obstetrics Osteopathic Approach to Paediatrics Osteopathic Approach to Geriatrics Osteopathic Approach to Sports	<ul style="list-style-type: none"> Demonstrate competence in providing specialised Osteopathic health care to specific population groups. Reflects on the limits of their training and competence to identify areas for personal and professional development 	<ul style="list-style-type: none"> Make autonomous and justified decisions on ethical issues relating to the EFCOP. Ability to communicate effectively with all patient groups. 	<ul style="list-style-type: none"> Critically evaluate an osteopathic approach to the management of the obstetric patient. Critically evaluate an osteopathic approach to the management of common pediatric conditions, the geriatric population, of common sports related injuries.
OS 3.3	Osteopathic Principles and Techniques 3	90	15	Principles of Osteopathy Structural Techniques Functional Techniques Cranio-sacral Osteopathy	<ul style="list-style-type: none"> Safe and competent principled application of osteopathic techniques including myofascial, articulation, HVT, High Velocity Low Amplitude (HVLA), Body Adjustment and cranial techniques. 	<ul style="list-style-type: none"> Critically evaluate the effectiveness and justification of their technique and plan actions for enhancement. Apply detailed knowledge of the major theories of osteopathic clinical evaluation and an awareness of a variety of ideas, contexts, and frameworks. 	<ul style="list-style-type: none"> Effective and justified exercise rehabilitation skills in the treatment of neuromusculoskeletal conditions. 	
OS 3.4	Professional practice 3	78	15	Ethics and Professionalism Research methods	<ul style="list-style-type: none"> Evidence and evaluate the application of the skills of professionalism, as defined by the European Osteopathic Practice Standards and the CPCM code of ethics, have been demonstrated in clinical practice. 	<ul style="list-style-type: none"> Critically evaluate the data collection and analysis methods deployed in quantitative and qualitative research approaches in osteopathy. 	<ul style="list-style-type: none"> Critically analyse own personal and professional learning and the exercise of appropriate judgement by reference to evidence arising from clinical practice. Demonstrate competence and accountability through a critical analysis of incidents and issues arising from clinical practice. 	
4	OS 4.1	Professional practice 4	110	20	Ethics & Business management Final Clinical Assessment	<ul style="list-style-type: none"> Demonstrate a high level of autonomy and ability in making a working diagnosis, formulating a management plan and delivering a justifiable osteopathic treatment or alternative course of action. 	<ul style="list-style-type: none"> Produce competent and professional Clinical Audit. Discuss, evaluate and justify their clinical reasoning with reference to appropriate research. 	<ul style="list-style-type: none"> Demonstrate the ability to maintain a reflective record of academic and clinical learning to a standard consistent with future continuing professional development requirements as defined by the European Osteopathic Practice Standards and the CPCM code of ethics.
	OS 4.2	Scope of Practice 2	110	20	Psychology Pharmacology Osteopathic Medicine Principles of Osteopathy Functional and cranio-sacral osteopathy Visceral Osteopathy	<ul style="list-style-type: none"> Select and apply key osteopathic pain management principles and concepts appropriately with a range of different patients. 	<ul style="list-style-type: none"> Critically discuss the decision-making process and rationale for pharmacological and nonpharmacological approaches to effective pain management 	<ul style="list-style-type: none"> Analyse the biopsychosocial factors affecting pain and its management. Evaluate the concepts in health psychology as related to health and chronic conditions.

	OS 4.3	Evidence Based Practice	110	20	Dissertation	<ul style="list-style-type: none"> Justify an appropriate area for research, formulate a hypothesis, select a suitable methodology and develop an appropriate data collecting tool. 	<ul style="list-style-type: none"> Evaluate the ethical issues associated with the type of research chosen. Apply information retrieval techniques to access relevant published materials and prepare a literature review by critically evaluating existing research studies. 	<ul style="list-style-type: none"> Critically evaluate a range of qualitative and quantitative research methods. Critically discuss the strengths and weaknesses of sampling strategies employed in quantitative and qualitative approaches.
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