

Module Head: Dr. Ronald Wong**Brief Description:**

This is an introduction to the spectrum of musculoskeletal disorders and Rehabilitation issues related to principle of management and community rehabilitation to the physical disability; the psychosocial well-being of care providers; Impairment, disability and social standing: assessment and function; Management of specific medical and musculoskeletal problems such as chronic medical condition, musculoskeletal and cognitive impairment; Occupation assessment and the work environment; Assessment of work capacity and impairment; Medico-legal issues of Work Injuries, Return to work programmes and barriers.

介紹一系列的骨關節疾病和康復問題，包括管理原則和社區康復對身體機能障礙的影響；護理者的社會心理問題；缺損、殘疾和社會地位：機能障礙的評估及處理；管理特定的骨關節疾病問題，如慢性病，肌肉骨骼和認知障礙；職業評估和工作環境；工作能力和損害評估；有關工傷的醫療法律問題，返回工作計劃和障礙。

Micro-Module	Content
Musculoskeletal Rehabilitation: Disability Management in impairment, disability and social standing: assessment and function.	<ol style="list-style-type: none"> 1. Community rehabilitation service in Hong Kong 2. Environmental Modifications and Control for the Disabled 3. Orthotics and prosthetics, and supportive devices 4. 3D printing for Rehabilitation 5. Sensor and Control, Robotics for Rehabilitation, including the exoskeleton and prosthetic arm 6. Psychosocial issues: Care Providers, Geriatric patients and people with Work Injury
Occupational orthopaedics; Ergonomic & Work capacity assessment; Work Fitness & exercises; RTW & its barriers.	<ol style="list-style-type: none"> 1. Work Disability 2. Workstation ergonomic analysis, Work Fitness & Exercises 3. Functional Capacity Evaluation, Job tasks analysis, Return to Work (RTW) programme and barriers 4. Medico-legal Issues of Work Injury in Hong Kong including compensation
Management of specific medical and musculoskeletal problems	<ol style="list-style-type: none"> 1. Metabolism-induced orthopaedic conditions 2. Trauma induced disability and management 3. Paediatric MSK issues: <ol style="list-style-type: none"> a. Lower Limb problems and Gait Disorders b. Spinal problems c. Congenital Upper Limb Anomaly (CULA) 4. Geriatric MSK issues: <ol style="list-style-type: none"> a. Aging on the musculoskeletal system affecting balance, co-ordination and motor performance b. Second fracture c. Medical problems with aging – Heart and Lung diseases, Nutrition d. Hemiplegia

Learning Outcome:

Students should be able to understand and apply:

1. Principle of management and community rehabilitation to the physical disability
2. Impairment, disability and social standing: assessment and function
3. Management of specific medical and musculoskeletal problems
4. Managing the Psychosocial Well Being of Care providers
5. Application of ergonomics: occupation assessment and work environment
6. Assessment of work capacity and impairment, and the Medico-legal issues of Work Injuries
7. Return to work programmes and barriers

Teaching timetable:

Session	1	2	3	4	5	6	7	8	9	10	11	12	Exam
Date	3/12/25(W)	10/12/25(W)	17/12/25(W)	7/1/26(W)	14/1/26(W)	21/1/26(W)	28/1/26(W)	4/2/26(W)	11/2/26(W)	4/3/26(W)	11/3/26(W)	18/3/26(W)	11/4 (Sat)
Time	1830-2130	1830-2130	1830-2130	1830-2130	1830-2130	1830-2130	1830-2130	1830-2130	1830-2130	1830-2130	1830-2130	1830-2130	PM
Venue	OLC SR	OLC Lab	OLC Lab	OLC Lab	OLC SR	OLC Lab	OLC SR	OLC Lab	OLC SR	OLC Lab	OLC SR	OLC Lab	tbc

Contents	Speakers	Session	Date
Handling psychological problems in Geriatric patients and Work Injury	Prof. Linda LAM (Psychiatry, CUHK)	1	3/12/25
Disabled Sports	Dr. Chad CHAN (PT, MUHK)		
Metabolism-induced orthopaedic conditions	Dr. B SHENG (M&T, PMH)	2	10/12/25
Trauma induced disability and management	Dr. Simon LEUNG (O&T, TPH)		
Aging on the musculoskeletal system affecting balance, co-ordination and motor performance	Dr. Maria MO (Geri, SH)	3	17/12/25
Medical problems with aging – Heart and Lung diseases, Nutrition			
Workstation ergonomic analysis, Work Fitness & Exercises	Prof. Grace SZETO (PT, TWC)	4	7/1/26
Functional Capacity Evaluation, Job tasks analysis, Return to Work (RTW) programme and barriers	Prof. Andy CHENG (OT, WSU)		
Causes, treatment and rehabilitation of second fracture	Dr. Raymond Ng (O&T, AHNH)	5	14/1/26
Work Disability			
Spinal problems in children and their rehabilitation	Dr. Adam LAU (O&T, PWH)	6	21/1/26
Environmental Modifications and Control for the Disabled.	Ir. Dr. Eric TAM (P&O, PolyU)		
Rehabilitation Technology for Disability Management	Dr. Elvis CHUI (ORT, CUHK)	7	28/1/26
Application of 3D printing for Rehabilitation			
Orthotics and prosthetics, and supportive devices	Mr. Ajax LAU (P&O, PWH)	8	4/2/26
A barrier-free environment that are user-friendly	Dr. Stephen KONG (Civil Engineer)		
Medico-legal Issues of Work Injury in Hong Kong including compensation	Prof. Joan FOK (OMCS, NTEC)	9	11/2/26
The Landscape of Community Rehabilitation and Primary Healthcare in Hong Kong	Dr Ivan SU (SAHK)		
Is my child limping? – gait disorders and gait analysis in childhood	Dr Arthur MA	10	4/3/26
Foot disorders in children			
Congenital Upper Limb Anomaly (CULA): Occurrence and Orthopaedics Management in Hong Kong. How to support the patients to go back to school or work?	Dr. PC HO (O&T, PWH)	11	11/3/26
Sensor and Control, Robotics for Rehabilitation, including the exoskeleton and prosthetic arm	Prof. Raymond TONG (BME, CUHK)	12	18/3/26
Hemiplegia	Dr. TK KONG (M&T, PWH)		
EOM Exam		----	29/3

Venue: OLC SR: Seminar Room, Orthopaedic Learning Centre, 1/F, Li Ka Shing Specialist Clinic (North Wing), Prince of Wales Hospital, Shatin
 OLC Lab: Bioskill Lab, Orthopaedic Learning Centre, 1/F, Li Ka Shing Specialist Clinic (North Wing), Prince of Wales Hospital, Shatin

Assessment:

1. Written Assessment (100%)

Date: 11/4/2026 (Sat)

Time: afternoon (TBC)

Venue: CUHK Campus (TBC)

Format: Written / MCQ exam

Speakers:

Name	Affiliation
Prof. Ronald Wong (Module Director)	MB ChB (CUHK), MRCSEd, PhD (CUHK), FHKCOS, FHKAM (Orthopaedic Surgery), FRCSEd (Orth) Clinical Associate Professor, Department of Orthopaedics and Traumatology, The Chinese University of Hong Kong
Prof. Linda Lam	MBChB, MD, FRCPsych, FRCPsych(Hon), FHKAM(Psychiatry), FHKCPsych Professor (Clinical), Department of Psychiatry, The Chinese University of Hong Kong
Dr. Chad Chan	PhD (PolyU), MSc SMHS (CUHK), BSc Physiotherapy (PolyU), Diploma in Acupuncture (SYSU), Registered Physiotherapist (HK) Assistant Professor, Department of Physiotherapy, School of Nursing and Health Studies, the Hong Kong Metropolitan University
Dr. B Sheng	MBChB, MSc(epidemiology & biostatistics), FRCP(London, Edin), FHKAM(Medicine) Deputy COS, Consultant, Department of Medicine & Geriatric, Princess Margaret Hospital
Dr. Simon Leung	MB.ChB(CUHK), MMed(Pain Mgt)(Syd), MRCSEd, FRCSEd (Orth), FHKCOS, FHKCOS(Rehab), FHKAM (Ortho Surg) Consultant, Department of Orthopaedic Rehabilitation, Tai Po Hospital
Dr. Maria Mo	MBBS, MRCP, LMCHK, FHKCP, FHKAM Associate Consultant, Shatin Hospital
Prof. Grace Szeto	Ph.D., MSc(AppSc) (Curtin), BSc(PT) Professor and Program Leader for BSc(Hon) in Physiotherapy, Tung Wah College
Prof. Andy Cheng	D (OHP), PDOT, PgD (WDP), BSc (Healthh & Safety), MPhil, PhD, CMIOSH Professor in Occupational Therapy, School of Health Science, Western Sydney University
Dr. Raymond NG	MBChB, FHKAM (Orthopaedic Surgery) Associate Consultant, Department of Orthopaedics Rehabilitation, Tai Po Hospital
Dr. Adam Lau	MBBS, BSc, MRCSEd, FRCSEd (Orth), FHKCOS, FHKAM (Orth) Clinical Assistant Professor, Department of Orthopaedics and Traumatology, The Chinese University of Hong Kong
Ir. Dr. Eric Tam	Ph.D. (PolyU), M.Sc. (Saskatchewan), B.Eng. (McMaster) Member HKIE Director of JCRECentre, Department of Biomedical Engineering, The Hong Kong Polytechnic University
Dr. Elvis Chui	PhD Assistant Professor, Department of Orthopaedics and Traumatology, The Chinese University of Hong Kong
Mr. Ajax Lau	BSc, Mphil (HKPU) Prosthetic & Orthotic Department, Prince of Wales Hospital
Dr. Stephen Kong	PhD, Civil Engineering Senior Resident Engineer, Hyder Consulting Engineers
Prof. Joan Fok	MBChB(CUHK), MOM(CUHK), MRCP(UK), FHKCP, FHKCCM, FHKAM(Medicine), FHKAM(Community Medicine) Consultant, Occupational Medicine Care Service, Dept of FM, NTEC, HA
Dr. Ivan Su	DHSc (PolyU), Registered Physiotherapist Head of Professional and Programme Development, SAHK

Name	Affiliation
Dr. Arthur Ma	MB ChB (CUHK); FHKAM (Orthopaedic Surgery), FRCSEd(Orth) Clinical Associate Professor (honorary), Department of Orthopaedics and Traumatology, The Chinese University of Hong Kong
Dr. PC Ho	MBChB, MSc(CUHK), FRCSEd, FHKCOS, FHKAM(Ortho. Surg) Consultant, Department of Orthopaedics and Traumatology, Prince of Wales Hospital
Prof. Raymond Tong	Ph.D Bio-engineering. MHKIE Professor, Division of Biomedical Engineering (BME), Department of Electronic Engineering, Faculty of Engineering, CUHK
Dr. TK Kong	MBBS(HK), FRCP(Lond, Edin,Glasg), FHKCP, FHKAM(Medicine), Specialist in Geriatric Medicine Honorary Consultant Geriatrician, Department of Medicine and Therapeutics, Prince of Wales Hospital Clinical Associate Professor (Honorary), Department of Medicine and Therapeutics, The Chinese University of Hong Kong

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- In the case of group projects, all members of the group should be asked to sign the declaration, each of whom is responsible and liable to disciplinary actions, irrespective of whether he/she has signed the declaration and whether he/she has contributed, directly or indirectly, to the problematic contents.
- For assignments in the form of a computer-generated document that is principally text-based and submitted via VeriGuide, the statement, in the form of a receipt, will be issued by the system upon students' uploading of the soft copy of the assignment.

Assignments without the properly signed declaration will not be graded by teachers. Only the final version of the assignment should be submitted via VeriGuide.

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