

List of Subjects Offered to Exchange/Short-term Non-local Study Students for Semester 2 (Spring) 2024/25

Department of Rehabilitation Sciences (RS)

BSc (Hons) in Occupational Therapy Programme (51457)

Subject Code	Subject Name	Credits	Eligible Student Type [see *]	Limitation [see **]	Eligible Student (Year 1) (Y/N)	Eligible Student (Year 2) (Y/N)	Eligible Student (Year 3) (Y/N)	Eligible Student (Year 4 or above) (Y/N)
Year one Subject								
RS2040	Functional Anatomy	3	RS	51457	Y	Y	Y	Y
RS2050	Research Methods and Statistics	3	RS	51457	Y	Y	Y	Y
RS2200	OT Theory & Process I	3	RS	51457	Y	Y	Y	Y
Year two Subject								
RS2270	Rehabilitation Psychology	3	RS	51457	N	Y	Y	Y
RS3030	Clinical Neurology & Neuroscience	3	RS	51457	N	Y	Y	Y
RS3310	Clinical Sciences in Psychiatric Conditions	3	RS	51457	N	Y	Y	Y
RS3410	Enabling Occupation: Musculoskeletal Rehabilitation	4	RS	51457	N	Y	Y	Y
Year three Subject								
RS3200	Enabling Occupation: Environmental Issues and Assistive Technology	3	RS	51457	N	N	Y	Y
RS3430	Enabling Occupation: Developmental Conditions	3	RS	51457	N	N	Y	Y
RS3460	Enabling Occupation: Medical & Neuro-Rehabilitation	3	RS	51457	N	N	Y	Y
RS3480	OT Theory & Process II	3	RS	51457	N	N	Y	Y
Year four Subject								
RS42500	Clinical Education III	7	RS	51457	N	N	Y	Y
RS42600	Clinical Education IV	7	RS	51457	N	N	Y	Y

Remarks:

* Eligible Student Type

'ALL' = open to all exchange/short-term non-local study students including those admitted to other departments

'Dept' = open to exchange/short-term non-local study students who are admitted to this department only

** Limitation

'N/A' = open to all exchange/short-term non-local study students

'(programme code and/or stream code)' = only open to exchange/short-term non-local study students who are enrolled in specific discipline/stream/programme

List of Subjects Offered to Exchange/Short-term Non-local Study Students for Semester 2 (Spring) 2024/25

Department of Rehabilitation Sciences

BSc (Hons) in Physiotherapy

Subject Code	Subject Name	Credits	Eligible Student Type [see *]	Limitation [see **]	Eligible Student (Year 1) (Y/N)	Eligible Student (Year 2) (Y/N)	Eligible Student (Year 3) (Y/N)	Eligible Student (Year 4 or above) (Y/N)
RS2040	Functional Anatomy	3	Dept	51456	Y	Y	Y	Y
RS2050	Research Methods and Statistics	3	Dept	51456	Y	Y	Y	Y
RS2660	Movement Science	3	Dept	51456	Y	Y	Y	Y
RS2670	Electrophysical Therapy I	3	Dept	51456	N	Y	Y	Y
RS2730	Musculoskeletal Physiotherapy I	3	Dept	51456	N	Y	Y	Y
RS3030	Clinical Neurology & Neuroscience	3	Dept	51456	N	Y	Y	Y
RS3830	Rehabilitation Psychology	3	Dept	51456	N	Y	Y	Y
RS3680	Musculoskeletal Physiotherapy III	3	Dept	51456	N	N	Y	Y
RS3731	Neurological Physiotherapy II	3	Dept	51456	N	N	Y	Y
RS3771	Cardiopulmonary Physiotherapy II	2	Dept	51456	N	N	Y	Y
RS3790	Paediatric Neurology and Development Disabilities	3	Dept	51456	N	N	Y	Y
RS47500	Clinical Education III-5	4	Dept	51456	N	N	Y	Y

Remarks:

* Eligible Student Type

'ALL' = open to all exchange/short-term non-local study students including those admitted to other departments

'Dept' = open to exchange/short-term non-local study students who are admitted to this department only

** Limitation

'N/A' = open to all exchange/short-term non-local study students

'(programme code and/or stream code)' = only open to exchange/short-term non-local study students who are enrolled in specific discipline/stream/programme

The Hong Kong Polytechnic University
Department of Rehabilitation Sciences
BSc (Hons) in Occupational Therapy
Course Introduction of OT Subjects in Offer for Semester 2 (Spring) 2024/25

Subject Code	Subject Name	Credits
Year one Semester two		
RS2040	Functional Anatomy	3
RS2050	Research Method and Statistics	3
RS2200	OT Theory & Process I	3
Year two Semester two		
RS2270	Rehabilitation Psychology	3
RS3030	Clinical Neurology & Neuroscience	3
RS3310	Clinical Sciences in Psychiatric Conditions	3
RS3410	Enabling Occupation: Musculoskeletal Rehabilitation	4
Year Three Semester Two		
RS3200	Enabling Occupation: Environmental Issues and Assistive Technology	3
RS3430	Enabling Occupation: Developmental Conditions	3
RS3460	Enabling Occupation: Medical & Neuro-Rehabilitation	3
RS3480	OT Theory & Process II	3
Year Four Semester Two		
RS42500	Clinical Education III	7
RS42600	Clinical Education IV	7

YEAR ONE SEMESTER TWO

RS2040 Functional Anatomy

Students undertake functional anatomy course already possessed the basic anatomy knowledge. Upon completion of the subject, the students will be able to demonstrate an understanding of structures of human body and apply anatomical knowledge to functional perspectives of the human body. Systems will be covered are integumentary, skeletal, muscular, joint, nervous, cardio vascular, respiratory, special senses and lymphatic. Focus includes anatomical terminology and descriptive terms, arrangement of the skeletons, gross structure and classification of bones, classification and function of joints and muscles, and nerves and blood vessels. It is then followed by the regional study of aforementioned structures. Learning activities include independent and group study. Lectures and laboratories sessions with a variety of educational media (e.g., skeletons, cadaver dissections, models, reference materials, multimedia self-learning packages) is used to enhance learning. Also, students will have a chance to teach small portions of anatomy to their peers in a small group format. The remainder of laboratory material is learned via instructor-facilitated, independent and/or small group study.

RS2050 Research Methods and Statistics

This is a 3-credit subject and designed to provide the students with a basic level of understanding of the process of critical inquiry, research methodology, statistical concepts and data analysis. A blended learning approach will be used. Online lectures are used to highlight the principles of critical inquiry, theory building, design of investigative studies, data analysis and statistical methods. Activity-based laboratory sessions provide experiential learning and seminars are used to reinforce the key concepts delivered in online lectures and enhance students' abilities in systematic inquiry, retrieval of information and critical appraisal of relevant literature. Students are also given opportunities to use computer-based search strategies for the professional and scientific literature (e.g., Internet, library resources, CD-ROM, etc.) in the laboratory session. A self-learning package will be provided to guide the students in the use of computer software (SPSS) for data analysis, and will allow the students to acquire the necessary skills in statistical analysis. Seminar presentations are conducted to enhance the students' abilities to critically appraise journals and articles through discussion and presentation. Review seminars are scheduled at different times of the semester to provide the students with feedback on their performance in the online tasks and opportunities to revisit the key concepts.

RS2200 OT Theory & Process I

The subject is designed to provide students a basic and core understanding on the philosophical beliefs, theories and practice models underpinning Occupational Therapy practice, as well as formulate a basic and core framework on Occupational Therapy process.

Lectures are to cover the philosophical base, core beliefs, concepts and process underpinning OT Practice. Tutorials with case studies would be adopted to illustrate the application of OT Models, OT process and roles & functions of OT. Through clinical visits, students would have an initial understanding of the clinical applications of different concepts, models and roles & functions of OT. Project work would allow students to appreciate more in-depth on the concepts and models underpinning OT practice.

YEAR TWO SEMESTER TWO

RS2270 Rehabilitation Psychology

This subject introduces the key psychological perspectives for understanding the processes of adjustment to trauma, disability, and illness, and the social impact on clients. It also prepares students of helping professions to examine their values of helping, develop basic communication skills needed in building a helping relationship with clients, and helping clients to manage problems in psychological adjustment. Lectures will cover the theory and principles of psychology adjustment and adaptation to disabilities and chronic illnesses, illustrated with video shows and case studies. During tutorials sessions, students will be guided to analyse based on video clips of interviews of patients, or conduct live interviews with persons with disability in class. Using written exercises and role plays, students will practice interviewing skills. Disability awareness exercise are used to help student reflect on their own attitude toward persons with disabilities and their acceptance toward them.

RS3030 Clinical Neurology & Neuroscience

Students will gain knowledge in the functions of various parts of the nervous system, and understand how structural and functional changes in certain part of the nervous system may lead to neurological deficits for patients. Students will also understand the recent development in clinical neuroscience, and how these concepts can be integrated in clinical applications. The teaching pattern include lecture, laboratory sessions. The laboratory sessions allow students to observe brain specimen or model of different neural structures. By deepen their understanding in neuroanatomy, students can appreciate the contributions of each specific neural structure for maintaining normal neurological function in human being.

RS3310 Clinical Sciences in Psychiatric Conditions

Upon completion of the subject, students will be able to understand common psychiatric conditions, to apply psychiatric conditions into clinical placement and to conduct different assessment methods (not OT specific). Lectures will cover clinical characteristics of common psychiatric conditions in different age groups; suggested assessment tools would be introduced. Tutorials will demonstrate the application of psychiatric conditions in various clinical context and non-OT specific assessment procedures for such conditions. Role-plays in the tutorial aim to facilitate client-centered perspective in understanding of psychiatric symptoms.

RS3410 Enabling Occupation: Musculoskeletal Rehabilitation

The subject aims to equip student with clinical knowledge and practical skills in rehabilitation of people with common musculoskeletal injuries. The main teaching method is in-class lectures and tutorials with which materials will be presented and explained to the students. The learning will be supplemented by clinical laboratory sessions during which clinical reasoning and management skills in occupational therapy will be demonstrated. Students will facilitate their learning on selected topics by working on the laboratory sheets, case management seminar and skills practicum. Clinical visits and teleconference sessions with outside clinical setting will further promote student's integration of clinical management principles and practical skills. Students will also be given the e-cases which could be downloaded from the e-case learning platform. The e-cases learning platform will enhance students' learning on practical handling of real cases in the field of orthopedic practices.

YEAR THREE SEMESTER TWO

RS3200 Enabling Occupation: Environmental Issues and Assistive Technology

Upon completion of the subject, students will be able to understand the relationship between environments and disabilities, conduct assessments for barrier-free and risky environments, and perform environmental inspection, and relate environmental intervention as a kind of therapeutic tool in occupational therapy. Lectures will cover the theory and principles of interactions between environment and people with disabilities, universal design and barrier-free environment, environmental modification, and assistive technology. During laboratory sessions, students will role-play clients with disabilities to explore different environments, conduct environmental inspection and draw floor plan; learn the use of wheelchairs, seating adaptations, argumentative and communicative devices, as well as environmental control units, and recent development of hardware and software in information technology for people with disabilities. Field visits include visits to housing centre, seating centre and self-help groups for people with physical disabilities. E-learning will be used in online quiz and e-assignment. Web-based learning allows student to learn the knowledge and enhance their clinical problem ability at their own time. During the project, students are expected to complete an assistive device in small groups and present it in the form of a demo showcase.

RS3430 Enabling Occupation: Developmental Conditions

The subject aims to develop students' knowledge and skills to evaluate, plan and implement occupational therapy programs to the needs of children and adults with developmental disabilities. Lectures will cover the knowledge in the clinical conditions and management. In tutorial and practical sessions, students will discuss clinical reasoning and practice the assessment and treatment skills. In group work and fieldwork visits, students will observe cases assigned and learn the occupational therapy practice, and practice the assessment and treatment skills. There is also case presentation and report to enable students to apply their theory and knowledge learnt and integrate into clinical practice. Self-reflection will be engaged especially on fieldwork and case presentation.

RS3460 Enabling Occupation: Medical & Neuro-Rehabilitation

The subject aims to facilitate students' understanding the roles and function of occupational therapy in rehabilitation of medical and neurological cases/clients commonly referred, throughout early adolescence, adulthood and old age. In addition, to apply theories and approaches for occupational therapy practice, principles of assessment, treatment planning, re-evaluation and continuity of care relevant to medical and neurological rehabilitation. Lectures will cover the theory and principles of management of medical and neurological conditions, illustrate with case studies and samples of treatment plan/regime. During tutorials sessions, students will discuss clinical reasoning, appraise evidence-based practice, and outcome measures related to the clinical conditions. In practical classes, students will

learn holistic assessment (physical, cognitive, behavioral and social) and treatment skills (ADL, IADL and functional training) and the rationale of selecting these skills. Practical sessions including guided- and self-practice will improve students' skill proficiency in assessment (selection, administration and interpretation) and treatment (prepare clients, environment and goal-direction activities). Web-based learning allows student to learn the knowledge and enhance their clinical problem ability at their own time.

RS3480 OT Theory & Process II

The subject aims to develop students with a solid understanding of advanced theoretical concepts in occupational therapy and the ability to critically analyze the linkage between theory and practice. Related concepts are grouped together and presented in a series of lectures, tutorials, and online resources. Learning of the concepts is reinforced and facilitated using online discussion, presentations, and individual and group assignments.

YEAR FOUR SEMESTER TWO

RS42500 Clinical Education III

This subject provides students with the opportunity to integrate and consolidate knowledge, skills and attitudes learned in school to occupational therapy practice in a common or a particular clinical specialty. It provides students with the opportunity to practice basic clinical management functions for independent occupational therapy practice and day-to-day operation of an occupational therapy department. The subject also prepares students to evaluate the application of occupational therapy models of practice to common clinical specialties of occupational therapy practice.

RS42600 Clinical Education IV

This subject provides students with the opportunity to integrate and consolidate knowledge, skills and attitudes learned in school to occupational therapy practice in a common or a particular clinical specialty. It provides students with the opportunity to practice basic clinical management functions for independent occupational therapy practice and day-to-day operation of an occupational therapy department. It also prepares students to evaluate the application of occupational therapy models of practice to common clinical specialties of occupational therapy practice.

The Hong Kong Polytechnic University
Department of Rehabilitation Sciences
BSc (Hons) in Physiotherapy
Subject List for Inbound Student
Semester Two

Subject Code	Subject Name	Credits
Year One		
RS2040	Functional Anatomy	3
RS2050	Research Method and Statistics	3
RS2660	Movement Science	3
Year Two		
RS2670	Electrophysical Therapy I	3
RS2730	Musculoskeletal Physiotherapy I	3
RS3030	Clinical Neurology & Neuroscience	3
RS3830	Rehabilitation Psychology	3
Year Three Semester 2		
RS3680	Musculoskeletal Physiotherapy III	3
RS3731	Neurological Physiotherapy II	3
RS3771	Cardiopulmonary Physiotherapy II	2
RS3790	Paediatric Neurology and Development Disabilities	3
Clinical Education		
RS47500	Clinical Education III-5	4

YEAR ONE Semester Two

RS2040 Functional Anatomy

Students undertake functional anatomy course already possessed the basic anatomy knowledge. Upon completion of the subject, the students will be able to demonstrate an understanding of structures of human body and apply anatomical knowledge to functional perspectives of the human body. The following systems will be introduced: integumentary, skeletal, muscular, joint, nervous, cardio vascular, respiratory, special senses and lymphatic. Focus includes anatomical terminology and descriptive terms, arrangement of the skeletons, gross structure and classification of bones, classification and function of joints and muscles, and nerves and blood vessels. It is then followed by the regional study of aforementioned structures. Learning activities include independent and group study. Lectures and laboratories sessions with a variety of educational media (e.g., skeletons, cadaver prosections, models, reference materials, multimedia self-learning packages) is used to enhance learning. Also, students will have a chance to teach small portions of anatomy to their peers in a small group format. The remainder of laboratory material is learned via instructor-facilitated, independent and/or small group study.

Pre-requisite: Nil

RS2050 Research Methods and Statistics

This is a 3-credit subject and designed to provide the students with a basic level of understanding of the process of critical inquiry, research methodology, statistical concepts and data analysis. A blended learning approach will be used. Online lectures are used to highlight the principles of critical inquiry, theory building, design of investigative studies, data analysis and statistical methods. Activity-based laboratory sessions provide experiential learning and seminars are used to reinforce the key concepts delivered in online lectures and enhance students' abilities in systematic inquiry, retrieval of information and critical appraisal of relevant literature. Students are also given opportunities to use computer-based search strategies for the professional and scientific literature (e.g., Internet, library resources, CD-ROM, etc.) in the laboratory session. A self-learning package will be provided to guide the students in the use of computer software (SPSS) for data analysis, and will allow the students to acquire the necessary skills in statistical analysis. Review seminars are scheduled at different times of the semester to provide the students with feedback on their performance in the online tasks and opportunities to revisit the key concepts. The students will learn more deeply how to formulate research questions and literature search by working on a collaborative learning assignment. The students will learn to integrate the concepts learned in this course by engaging in a group project on critical appraisal of a scientific journal paper, which culminates in a seminar presentation.

Pre-requisite: Nil

RS2660 Movement Science

The objectives of the subject are:

1. to develop in students a keen interest in human biomechanics and kinesiology (and science in general) which will encourage independent, continuing learning after completion of this subject,
2. to encourage students' critical thinking and their use of investigative technique in pursuing knowledge in movement science.
3. to enhance communication skills through tutorial discussions and presentations.
4. to appreciate the importance of evidence-based practice.

Subject syllabus include:

- a) Definitions of biomechanical terms and body mechanics.
- b) Material and structural properties of musculoskeletal tissues.
- c) Joint integrity and mobility.
- d) Muscle performance, functional role, muscle tension, length/speed/tension relationship, and electromyography.
- e) Motor function and motor control of different joints in the body
- f) Posture (static and dynamic).
- g) Walking gait, locomotion and balance.

Learning activities include lecture, tutorial, laboratory sessions and group presentation.

Pre-requisite: Nil

YEAR TWO Semester Two

RS2670 Electrophysical Therapy I

Upon completion of the course, students will understand the theoretical knowledge and the practical application of electrophysical agents for managing patients with disorders and injuries to the musculoskeletal system.

The subject covers 1) principles and concepts of biophysical, physiological and therapeutic effects of thermal agents and neuromuscular electrical stimulation agents applied to body tissues, covering all the common musculoskeletal injuries; 2) selection and methods of application of appropriate thermal agents and/or neuromuscular electrical stimulation agent(s); 3) electrophysical therapy agents covered include superficial thermal, deep thermal, cryotherapy, ultrasound therapy and electrical stimulation (sensory and motor).

An interactive learning approach is used in this subject, and teaching content is integrated horizontally with other related subjects taught in this semester, such as Musculoskeletal I, and make reference to previously taught subjects, in particular Principles of Physiotherapy Practice and Orthopedics and Traumatology. Through a series of interactive lectures, students learn about the theoretical knowledge involved in the production and application of electrophysical therapy agents, as part of the PT management of musculoskeletal injuries/dysfunctions. Some basic theory may be provided to students in the form of e-learning and students are encourage to do self-reading in their own time. Understanding of these contents will be enhanced through discussion in class. In the practical classes, students learn to perform practical procedures in applying these EPT modalities to the relevant parts of the human body to simulate treatment of musculoskeletal injuries. Tutorials are organised to help students to review and integrate their knowledge. A subject-specific website is developed to enhance interactive learning and provide supplementary information to students. “Open” laboratory sessions are organised to encourage independent learning and revision.

Pre-requisite: Nil

RS2730 Musculoskeletal Physiotherapy I

The overall objective of the Musculoskeletal Physiotherapy series is to provide students with theories, skills and clinical applications for musculoskeletal physiotherapy practice.

This subject focuses on developing competence in professional physiotherapy professional practice in the areas of assessment, clinical reasoning, diagnosis and treatment selection in for musculoskeletal dysfunction. This subject incorporates (i) the regional assessment and management of musculoskeletal dysfunction of the lower extremity; and (ii) the overall integration of physiotherapy modalities including the principles and practice of therapeutic exercises and manual therapy. Interventions for common lower extremity conditions, including soft tissue, joint, bony lesions and common surgical interventions, will be covered.

A student-centered learning approach is used with a combination of lectures, tutorials/seminars and self-directed learning methods. A case-based learning approach is adopted for the overall integration of theoretical knowledge, different therapeutic modalities and skills. The clinical cases will reflect problems across the life span that address psychosocial and environmental factors and examine underlying

physiological responses to inactivity or trauma etc. Students are guided in the development of their assessment, problem-solving and treatment skills in physiotherapy management. In clinical laboratory sessions, students focus on the development and application of skills in assessment and treatment techniques. To consolidate and reinforce what the students have learnt in classrooms, bedside teaching activities are organized in clinical settings. Other activities to promote self-directed learning include open laboratory session. The subject will allow students to reasonably use selected Artificial Intelligence Tools to in some in-class learning activities, exercises and discussions during tutorials.

Pre-requisite: RS2700 Orthopaedics and Traumatology

RS3030 Clinical Neurology & Neuroscience

Students will gain knowledge in the functions of various parts of the nervous system, and understand how structural and functional changes in certain part of the nervous system may lead to neurological deficits for patients. Students will also understand the recent development in clinical neuroscience, and how these concepts can be integrated in clinical applications. The teaching pattern include lecture, laboratory sessions. The laboratory sessions allow students to observe brain specimen or model of different neural structures. By deepen their understanding in neuroanatomy, students can appreciate the contributions of each specific neural structure for maintaining normal neurological function in human being.

Pre-requisite: ABCT2326 Human Physiology

RS3830 Rehabilitation Psychology

This subject introduces the key psychological perspectives for understanding the processes of adjustment to trauma, disability, and illness. It also prepares students of helping professions to examine their values of helping, to develop basic communication skills needed in building a helping relationship with clients, and to help clients with problems in psychological adjustment. Students are encouraged to develop an understanding of psychological issues that need to be considered when managing patients with physical and mental dysfunctions and disabilities. Theoretical part of the course content will be delivered through interactive lectures where students are expected to actively participate in all the learning and teaching activities. Video clips of case studies of persons with various disabilities will be shown during lectures. Some basic information will be provided in the form of e-learning and students are encouraged to spend more time in self-reading. The professional skills component of the subject includes class exercises, practicum or laboratory sessions, demonstrations and role-play, small group discussions, case studies and seminar presentations. Students will explore and practice specific intervention programmes such as aerobic exercises and relaxation that are commonly employed in clinical practice. Students will conduct a field study to different community organisations to interact with clients of different disabilities. Students will present their findings in a seminar, where they will lead the discussion and receive feedback on their work.

Pre-requisite: Nil

YEAR THREE – Semester two

RS3680 Musculoskeletal Physiotherapy III

A student-centred learning focus is used to identify and treat clinical problems that are associated with disorders of the musculoskeletal system relating to the spine. Principles and concepts are introduced in lectures and subsequently reinforced through guided learning in tutorials and laboratories with clinical reasoning and demonstration sessions. Seminars help to develop the integration of principles and practice in the use of manipulative techniques and other therapeutic modalities in near and long-term management. Throughout, students are guided to identify and critically appraise the evidence underlying the rationale and practice of different treatment techniques, drawing from recent articles in various fields (e.g., epidemiology, images). Students must integrate this knowledge to develop methods to educate their clients and the public at large in disease/injury prevention and health promotion.

Pre-requisite: RS2730 Musculoskeletal Physiotherapy I & RS3580 Musculoskeletal Physiotherapy II

RS3731 Neurological Physiotherapy II

The objective is to achieve the competence and clinical skills in neuro-rehabilitation necessary for an entry level physiotherapist. Students integrate a holistic health care approach, knowledge and physiotherapy skills in patient management. A consistent clinical decision-making approach is used to identify and analyse clinical problems. Students then apply principles and techniques of physiotherapy assessment and treatment to patients/clients with specific neurological dysfunction. Guided by self-instructional packages, students seek out information on trauma and disease of the neurological system. This information is integrated into the physiotherapy management of clinical problems across conditions.

The subject provides a series of online and face-to-face lectures with a blended learning approach for both tutorial and practical sessions. Lectures will cover medical/neurosurgical management, neuroplasticity and motor-learning principles in neuro-rehabilitation. In seminars and tutorials sessions, students will discuss clinical reasoning, and appraise evidence-based practice and outcome measures. In practical classes, students will learn assessment and treatment skills and the rationale of selecting these skills. There is also case-based clinical teaching enabling students to apply their theory and knowledge into clinical practice. Web-based learning allows student to learn the knowledge and enhance their clinical problem-solving ability at their own pace.

Pre-requisite: RS3030 Clinical Neurology & Neuroscience & RS3730 Neurological Physiotherapy I

RS3771 Cardiopulmonary Physiotherapy II

The objective is to achieve the competence and clinical skills in cardiovascular physiotherapy necessary for an entry level physiotherapist.

A clinical decision-making approach is used to identify and treat clinical problems that are associated with disorders of the cardiopulmonary system. In terms of teaching delivery, blended learning and flipped classroom approach will be adopted. Online lectures will cover the basic principles and fundamental knowledge such as cardiovascular system reviews, pathophysiology. principles of management for common cardiovascular conditions, and current management strategies (medical, pharmacological and surgical) for cardiovascular conditions; introduce transplant surgical procedures, facilities and management in intensive care units, inpatient and outpatient settings. Face-to-face seminars will cover Interactive lectures will be delivered to highlight essential concepts required for the understanding of this subject. Videos, demonstration of techniques and short quizzes will also be used during the seminars. In

laboratory sessions, students will 1) learn and practice assessment and treatment skills and the rationale for selecting these skills; 2) discuss clinical reasoning, and appraise best evidence-based practice and outcome measures relevant to current cardiovascular physiotherapy in different practice settings; and 3) integrate knowledge learned throughout the whole subject into case management through simulation practice.

Pre-requisite: RS3770 *Cardiopulmonary Physiotherapy I*

RS3790 Paediatric Neurology and Development Disabilities

Guided by reading references, students will integrate knowledge of diseases of the neurological system and developmental disabilities into the physiotherapy management of clinical problems (e.g. transitional movement, coordination). Following analysis of clinical problems, students will identify and prioritize a problem list, select and apply appropriate handling skills and educationally-relevant therapeutic skills to assist the sensorimotor development and learning of children. With the aids of Generative AI, students will obtain the ideas of interventions procedures and learn how to think critically about the AI-generated ideas. Content knowledge and practical skills will be extended in the area of motor learning, and several contemporary approaches to the treatment of motor control-related problems will be introduced. Inclusion of caregivers, families and other members of the pediatric developmental teams in assisting children with special needs in their natural settings (e.g. schools and homes) will be discussed in tutorials. The need for an overall balanced development of the young clients as individuals with plans projecting into the future will be emphasized. A student-centered learning approach is used in lectures, tutorials, seminars, practicals and video presentations. Guided by clinical physiotherapists in various pediatric settings, students will gain exposure to the holistic assessment and management of children of various clinical groups.

Pre-requisite: RS3030 *Clinical Neurology & Neuroscience* & RS2781 *Human Development across Lifespan*

CLINICAL EDUCATION

RS47500 Clinical Education III-5

This is a clinical placement subject. It aims to develop skills in assessment and client care management of a variety of conditions (e.g. musculoskeletal, neuromuscular, cardiovascular/pulmonary, integumentary) across the lifespan, and an ability to apply physiotherapy treatment techniques in different physiotherapy practice settings and for a variety of patients/clients. Given the complexity of the health care environment, clinical educators facilitate the student's progression in skill acquisition and professional behaviour.

Pre-requisite: RS 27100 Clinical Education I, RS 3680 Musculoskeletal Physiotherapy III, RS 3731 Neurological Physiotherapy II, RS 3771 Cardiopulmonary Physiotherapy II, RS 3790 Paediatric Neurology and Developmental Disabilities & RS3780 Electrophysical Therapy II