



COURSE OUTLINE: OPA130 - CLINICAL PATHO I

Prepared: Joanna MacDougall

Approved: Bob Chapman, Dean, Health

Course Code: Title	OPA130: CLINICAL PATHOLOGY I
Program Number: Name	3022: OCCUP/PHYSIO/ASSIST
Department:	OTA/PTA ASSISTANT
Academic Year:	2024-2025
Course Description:	The purpose of this course is to introduce the student to the clinical presentation of common disabling conditions which are managed by Occupational Therapy and Physiotherapy. The conditions emphasized will be mainly neurological, cardiorespiratory and/or endocrine in nature. Relevant anatomy/physiology will be reviewed and/or taught prior to the student gaining familiarity with the clinical presentation of the conditions, the associated relevant pathology, and the general goals of intervention in Physiotherapy and/or Occupational Therapy.
Total Credits:	3
Hours/Week:	3
Total Hours:	42
Prerequisites:	OPA103, OPA104, OPA118
Corequisites:	There are no co-requisites for this course.
Substitutes:	OPA106
This course is a pre-requisite for:	OPA216, OPA228
Vocational Learning Outcomes (VLO's) addressed in this course:	3022 - OCCUP/PHYSIO/ASSIST
Please refer to program web page for a complete listing of program outcomes where applicable.	VLO 2 Participate in the effective functioning of interdisciplinary health care teams to optimize client physical and occupational functions.
	VLO 4 Promote a safe environment that prevents or minimizes potential physical or mental harm to the client, therapist assistant and others.
	VLO 8 Perform the roles and responsibilities of the therapist assistant effectively through the application of relevant knowledge of health sciences, psychosocial sciences, health conditions, resource management, and clinical procedures.
	VLO 9 Contribute to the occupational therapist's or physiotherapist's assessment of the client and the development, implementation and modification of intervention/treatment plans.
Essential Employability Skills (EES) addressed in this course:	EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.
	EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.
	EES 4 Apply a systematic approach to solve problems.



- EES 5 Use a variety of thinking skills to anticipate and solve problems.
- EES 6 Locate, select, organize, and document information using appropriate technology and information systems.
- EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.
- EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.
- EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
- EES 10 Manage the use of time and other resources to complete projects.
- EES 11 Take responsibility for ones own actions, decisions, and consequences.

Course Evaluation:

Passing Grade: 60%, C

A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.

Books and Required Resources:

Only FREE Open Educational Resources will be used for this Course/Section.

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
1. Demonstrate general knowledge of relevant anatomy, physiology and neurodevelopment.	1.1 Identify the physiology of normal cell function. 1.2 Identify and state normal function of the major parts of the Central Nervous System, Peripheral Nervous System, Immunologic System, Endocrine System, Cardiac System and Respiratory System. 1.3 Identify the stages of normal development of the central nervous system.
Course Outcome 2	Learning Objectives for Course Outcome 2
2. Describe the general role of the endocrine system.	2.1 Define the following: hormone, target organ/tissue, endocrine gland, exocrine gland. 2.2 Explain how endocrine glands are regulated. 2.3 Identify specified endocrine glands on a diagram, chart or model. 2.4 Explain the function of key hormones as they relate to other systems in the body (neurological, cardiac, respiratory, musculoskeletal)
Course Outcome 3	Learning Objectives for Course Outcome 3
3. Demonstrate an understanding of the etiology, pathophysiology, and clinical presentation of disease, injury and disability.	3.1 Describe the general principles of disease and injury (alterations in normal cell function, structure, growth and differentiation, inflammation, wound healing and neoplasia) related to pathophysiology. 3.2 Describe the etiology, pathophysiology and clinical presentation of common conditions in the following categories: -Endocrine Disorders -Neurological Conditions -Alterations in the Peripheral Nervous System -Traumatic and Vascular Injuries -Congenital or Developmental Disorders:



		-Pervasive Development Disorders -Degenerative Disorders -Cognitive Disorders -Cardio-Respiratory Disorders -Cardiac and Circulatory -Lymphatic Diseases -Cancers and other Cell Dysfunction						
	Course Outcome 4	Learning Objectives for Course Outcome 4						
	4. Demonstrate knowledge of the clinical implications of common disabling conditions managed in Occupational Therapy and Physiotherapy.	4.1 Explain the effect of specific conditions on normal growth and development and/or the aging process. 4.2 Identify the impact of specific conditions on the physical, psychosocial and environmental aspects of an individuals function.						
	Course Outcome 5	Learning Objectives for Course Outcome 5						
	5. Demonstrate knowledge of assessment, diagnosis, intervention and prognosis of specific common disabling conditions.	5.1 List appropriate assessment processes and diagnostic tests. 5.2 List and describe appropriate treatment interventions, outcomes and prognosis. 5.3 Introduce the role of the OTA and PTA within the interdisciplinary management of different conditions.						
Evaluation Process and Grading System:	<table border="1"> <thead> <tr> <th>Evaluation Type</th> <th>Evaluation Weight</th> </tr> </thead> <tbody> <tr> <td>1. Quizzes/Tests/Exams</td> <td>80%</td> </tr> <tr> <td>2. Assignments</td> <td>20%</td> </tr> </tbody> </table>		Evaluation Type	Evaluation Weight	1. Quizzes/Tests/Exams	80%	2. Assignments	20%
Evaluation Type	Evaluation Weight							
1. Quizzes/Tests/Exams	80%							
2. Assignments	20%							
Date:	November 26, 2024							
Addendum:	Please refer to the course outline addendum on the Learning Management System for further information.							