



COURSE OUTLINE: OPA130 - CLINICAL PATHO I

Prepared: Joanna MacDougall

Approved: Bob Chapman, Chair, Health

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| Course Code: Title | OPA130: CLINICAL PATHOLOGY I |
| Program Number: Name | 3022: OCCUP/PHYSIO/ASSIST |
| Department: | OTA/PTA ASSISTANT |
| Semesters/Terms: | 22W |
| 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 of Physiotherapy and/or Occupational Therapy. |
| Total Credits: | 3 |
| Hours/Week: | 3 |
| Total Hours: | 45 |
| Prerequisites: | OPA103, OPA104, OPA118 |
| Corequisites: | There are no co-requisites for this course. |
| Substitutes: | OPA106 |
| This course is a pre-requisite for: | OPA203, OPA204, OPA214, OPA216, OPA228 |
| Vocational Learning Outcomes (VLO's) addressed in this course: Please refer to program web page for a complete listing of program outcomes where applicable. | 3022 - OCCUP/PHYSIO/ASSIST VLO 2 Participate in the effective functioning of interprofessional health care teams within the role of the therapist assistant. VLO 4 Ensure personal safety and contribute to the safety of others within the role of the therapist assistant. VLO 8 Perform effectively within the roles and responsibilities of the therapist assistant through the application of relevant knowledge of health sciences, psychosociological sciences, and health conditions. VLO 9 Perform functions common to both physiotherapy and occupational therapy practices that contribute to the development, implementation and modification of intervention/treatment plans, under the supervision of and in collaboration with the occupational therapist and/or physiotherapist. |
| 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. |

In response to public health requirements pertaining to the COVID19 pandemic, course delivery and assessment traditionally delivered in-class, may occur remotely either in whole or in part in the 2021-2022 academic year.



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| | 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:

Essentials of Human Diseases and Conditions by Frazier
Publisher: W.B. Saunders Edition: 7th

This text is also used in OPA216. by Additional texts from year one may be used.

Course Outcomes and Learning Objectives:

| Course Outcome 1 | Learning Objectives for Course Outcome 1 |
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| 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 |

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| | | <ul style="list-style-type: none">-Alterations in the Peripheral Nervous System-Traumatic and Vascular Injuries-Congenital or Developmental Disorders:-Pervasive Development Disorders-Degenerative Disorders-Cognitive Disorders-Mental Health Disorders-Cardio-Respiratory Disorders-Cardiac and Circulatory-Lymphatic Diseases-Cancers and other Cell Dysfunction | | | | | | | | |
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| | 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><tr><th>Evaluation Type</th><th>Evaluation Weight</th></tr><tr><td>1. Quizzes</td><td>20%</td></tr><tr><td>2. Research/Presentation</td><td>20%</td></tr><tr><td>3. Tests and In Class Assignments</td><td>60%</td></tr></table> | | Evaluation Type | Evaluation Weight | 1. Quizzes | 20% | 2. Research/Presentation | 20% | 3. Tests and In Class Assignments | 60% |
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| Date: | December 8, 2021 | | | | | | | | | |
| Addendum: | Please refer to the course outline addendum on the Learning Management System for further information. | | | | | | | | | |

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