



## COURSE OUTLINE: OPA103 - HUMAN ANATOMY

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Approved: Bob Chapman, Chair, Health

<b>Course Code: Title</b>	OPA103: HUMAN ANATOMY
<b>Program Number: Name</b>	3022: OCCUP/PHYSIO/ASSIST
<b>Department:</b>	OTA/PTA ASSISTANT
<b>Academic Year:</b>	2022-2023
<b>Course Description:</b>	This course will provide the student with a knowledge base of anatomy of the human body with attention to the musculoskeletal system, the nervous system and the special senses of the eye and ear. Labs focus on developing competence in the identification and palpation of musculoskeletal anatomy.
<b>Total Credits:</b>	5
<b>Hours/Week:</b>	5
<b>Total Hours:</b>	75
<b>Prerequisites:</b>	There are no pre-requisites for this course.
<b>Corequisites:</b>	There are no co-requisites for this course.
<b>Substitutes:</b>	RSP100
<b>This course is a pre-requisite for:</b>	OPA107, OPA109, OPA110, OPA115, OPA130, OPA131
<b>Vocational Learning Outcomes (VLO's) addressed in this course:</b>	<p><b>3022 - OCCUP/PHYSIO/ASSIST</b></p> <p>VLO 1 Communicate appropriately and effectively, through verbal, nonverbal, written and electronic means, with clients, their families, and significant others, occupational therapists, physiotherapists, other health care providers, and others within the role of the therapist assistant.</p> <p>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.</p>
<b>Essential Employability Skills (EES) addressed in this course:</b>	<p>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.</p> <p>EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.</p> <p>EES 4 Apply a systematic approach to solve problems.</p> <p>EES 6 Locate, select, organize, and document information using appropriate technology and information systems.</p> <p>EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.</p> <p>EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.</p>



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.

**Other Course Evaluation & Assessment Requirements:**

An overall grade of 60% is required to pass this course.

**Books and Required Resources:**

Trail Guide to the Body by Biel  
 Publisher: Books of Discovery Edition: 6th  
 ISBN: 9780998266305  
 E-book

Trail Guide to the Body by Biel  
 Publisher: Books of Discovery Edition: 6th  
 ISBN: 9780998785066  
 spiral cover

Skeleton Model

**Course Outcomes and Learning Objectives:**

<b>Course Outcome 1</b>	<b>Learning Objectives for Course Outcome 1</b>
1. Demonstrate an understanding of the basic structure and function of the human body and specified tissues, and their integral role in maintaining homeostasis.	1.1 Define anatomy and physiology. 1.2 Explain the levels of structural organization of the human body. 1.3 Use anatomical terminology to describe body directions, surfaces and planes of movement. 1.4 Name and explain the basic structures and function of the human body, cells, and tissues.
<b>Course Outcome 2</b>	<b>Learning Objectives for Course Outcome 2</b>
2. Identify and describe major muscle groups, bones, bony landmarks and joints.	1.1 Label bones, muscles, origins, insertions, and actions 1.2 Identify and locate bones, bony landmarks, muscles, origins, and insertions on anatomical models and on a person 1.3 Describe and demonstrate the actions of specified muscles.
<b>Course Outcome 3</b>	<b>Learning Objectives for Course Outcome 3</b>
3. Identify basic anatomy and physiology of the nervous system in relation to voluntary movement.	3.1 State the general functions of the nervous system. 3.2 Explain the structural and functional classification of the nervous system. 3.3 State the function of neurons and neuroglia. 3.4 State the types and functions of general sensory receptors. 3.5 Explain the conduction of a nerve impulse. 3.6 Explain a reflex arc. 3.7 Identify the parts of the Central Nervous System and briefly state their functions. 3.8 Describe the general structure of a peripheral nerve.



		3.9 State and identify the major parts of the Peripheral Nervous System. 3.10 State the functions of specified nerves, plexuses and divisions of the PNS.
	<b>Course Outcome 4</b>	<b>Learning Objectives for Course Outcome 4</b>
	4. Identify the basic structure and function of the nervous system, and special senses of vision and equilibrium.	4.1 Identify and state the function and structures of the ear. 4.2 Identify and state the function of the structures of the eye.

**Evaluation Process and Grading System:**

<b>Evaluation Type</b>	<b>Evaluation Weight</b>
Practical/Lab Module Tests	40%
Practical/Lab Quizzes	30%
Theory/Online Quizzes	30%

**Date:**

August 22, 2022

**Addendum:**

Please refer to the course outline addendum on the Learning Management System for further information.

