COURSE OUTLINE: PSW150 - BODY STRUC & FUNC II

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Approved: Bob Chapman, Dean, Health

Course Code: Title	PSW150: BODY STRUCTURE AND FUNCTION II
Program Number: Name	3027: PERSONAL SUPPORT WKR 3070: PER/DEV SUPPORT SERV
Department:	PERSONAL SUPPORT WORKER
Academic Year:	2024-2025
Course Description:	This course is a continuation of Body Structure and Function I (PSW 140) in which the learner will examine the remaining body systems. The learner will identify the basic structures and functions of the endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary and reproductive systems. The learner will also examine how these systems maintain homeostasis and identify age-related changes and common diseases and disorders.
Total Credits:	3
Hours/Week:	3
Total Hours:	42
Prerequisites:	PSW140
Corequisites:	There are no co-requisites for this course.
This course is a pre-requisite for:	DSS300, DSS301, DSS302, DSS303, DSS304
Vocational Learning Outcomes (VLO's) addressed in this course: **Please refer to program web page for a complete listing of program outcomes where applicable.**	**3027 - PERSONAL SUPPORT WKR** VLO 8 Assist clients across the lifespan with activities of daily living by applying fundamental knowledge of growth and development, psychological concepts, common alterations in functioning, health promotion, disease prevention, rehabilitation and restorative care, and holistic health care. **3070 - PER/DEV SUPPORT SERV** VLO 6 Support the health and well-being of clients across the lifespan by applying basic knowledge of growth and development, common alterations in functioning, disease prevention, health promotion and maintenance, rehabilitation and restorative care.
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 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 11 Take responsibility for ones own actions, decisions, and consequences.

General Education Themes:	Science and Technology
Course Evaluation:	Passing Grade: 60%, A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.
Books and Required Resources:	Human Body in Health & Illness (w/ bind-in access) by Herlihy Publisher: Elsevier Science & Technology Books Edition: 7th ISBN: 9780323711265 Human Body in Health & Illness (SG) by Herlihy Publisher: Elsevier HlthSciences Division Edition: 7th ISBN: 9780323711258 Medical Terminology: a Short Course by Chabner Publisher: Elsevier Science & Technology Books Edition: 9th ISBN: 9780323479912

Course Outcomes and Learning Objectives:

Course Outcome 1	**Learning Objectives for Course Outcome 1**
1. Identify the basic structures, functions, and age related changes of the endocrine system.	1.1 List the functions of the endocrine system. 1.2 Define hormone. 1.3 Identify the major endocrine glands and their hormones. 1.4 Describe age related changes of the endocrine system.
Course Outcome 2	**Learning Objectives for Course Outcome 2**
2. Identify the basic structures, functions, and age related changes of the circulatory system.	2.1 List three functions of blood. 2.2 Describe the composition of blood. 2.3 Describe the three types of blood cells and their function. 2.4 Explain the breakdown of red blood cells and the formation of bilirubin. 2.5 Identify the four blood types. 2.6 Explain Rh factor. 2.7 Describe the location of the heart and its function. 2.8 Name the three layers and covering of the heart. 2.9 Identity the four chambers and four valves of the heart and their function. 2.10 Trace the flow of blood through the heart. 2.11 List the blood vessels that move blood to and from the heart. 2.12 Define pulse, blood pressure, systole and diastole. 2.13 Describe age related changes to the heart. 2.14 Describe the structure and function of arteries, capillaries and veins. 2.15 Describe the factors that determine blood pressure. 2.16 Describe edema formation.
Course Outcome 3	**Learning Objectives for Course Outcome 3**
3. Identify the basic structures, functions, and age related changes of the	3.1 Locate, identify, and label lymphoid organs and tissues and describe their functions. 3.2 Differentiate between specific and nonspecific immunity.

lymphatic and immune systems.	3.3 Describe the process of phagocytosis. 3.4 Explain the causes of the signs of inflammation. 3.5 Explain the role of fever in fighting infection. 3.6 Differentiate between genetic immunity and acquired immunity. 3.7 Differentiate naturally and artificially acquired active and passive immunity. 3.8 Identify the steps in the development of anaphylaxis.
Course Outcome 4	**Learning Objectives for Course Outcome 4**
4. Identify the basic structures, functions, and age related changes of the respiratory system.	4.1 Locate, identify, and label structures of the respiratory system and describe their functions. 4.2 Describe the mechanism of breathing. 4.3 Explain how breathing is controlled. 4.4 Trace the movement of air from the nostrils to the alveoli. 4.5 Describe the role of pulmonary surfactants. 4.6 List three conditions that make the alveoli well suited for the exchange of oxygen and carbon dioxide.
Course Outcome 5	**Learning Objectives for Course Outcome 5**
5. Identify the basic structures, functions, and age related changes of the digestive system.	5.1 Locate, identify, and label structures of the digestive system and describe their functions. 5.2 Define digestion and absorption. 5.3 Compare mechanical and chemical digestion. 5.4 Describe the role of digestive enzymes. 5.5 Describe the role of bile in the digestion of fats. 5.6 Describe five categories of nutrients.
Course Outcome 6	**Learning Objectives for Course Outcome 6**
6. Identify the basic structures, functions, and age related changes of the urinary system.	6.1 Locate, identify, and label structures of the urinary system and describe their functions. 6.2 Describe the specific structures of the kidney and their basic functions. 6.3 Describe the blood supply of the kidney. 6.4 Explain the three processes involved in the formation of urine. 6.5 List the normal constituents of urine. 6.6 Describe the two main fluid compartments. 6.7 Define intake and output. 6.8 Describe water, electrolyte and acid-base imbalance.
Course Outcome 7	**Learning Objectives for Course Outcome 7**
7. Identify the basic structures, functions, and age related changes of the reproductive system.	7.1 Locate, identify, and label structures of the male reproductive system and describe their functions. 7.2 Locate, identify, and label structures of the female reproductive system and describe their functions. 7.3 Explain the hormonal control of reproduction in males and females.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Assignments (3 at 3.33% weight each)	10%

	Quizzes (5 at 2% weight each)	10%
	Test #1	20%
	Test #2	20%
	Test #3	20%
	Test #4	20%
Date:	December 9, 2024	
Addendum:	Please refer to the course outline addendum on the Learning Management System for further information.	