

Physiology (PHYL)

PHYL 141: Human Anatomy and Physiology I

PHYL 141 is the first semester of a comprehensive two-semester course which provides a thorough introduction to the structure and function of the human body. PHYL 141 covers the gross anatomy, histology, and physiology of the integumentary, skeletal, muscular, and nervous systems. Students will be expected to learn details of anatomy and physiology as well as applying those details in the broader context of whole body function and homeostasis. The covered topics include body orientation, chemical level, cellular level, tissue level, integumentary system, bone tissue, skeletal system, joints, muscular tissue, muscular system, nervous tissue, spinal cord and spinal nerves, brain and cranial nerves, autonomic nervous system, and special senses.

Credits: 3

Prerequisites: ENG 100 with a grade of C or better or equivalent and CHEM 151, CHEM 161 or BIOC 141 with a grade of C or better or 1 yr high school college-prep chemistry with a grade of B or better within the last 5 years and HLTH 125 with a grade of C or better or concurrent enrollment and PHYL 141L with a grade of C or better or concurrent enrollment

Recommended Prep: Strongly recommended, MICR 130, or BIOL 101 with a grade of B or better

PHYL 141L: Human Anatomy and Physiology I Lab

PHYL 141L is the laboratory course of Human Anatomy and Physiology I and it provides a thorough introduction to the structure and function of the human body. PHYL 141L covers the gross anatomy, histology, and physiology of the integumentary, skeletal, muscular, and nervous systems. Students will be expected to learn details of anatomy and physiology through models, dissections, and physiological experimentations. Students will also apply those details in the broader context of whole body function and homeostasis. The covered topics include body orientation, chemical level, cellular level, tissue level, integumentary system, bone tissue, skeletal system, joints, muscular tissue, muscular system, nervous tissue, spinal cord and spinal nerves, brain and cranial nerves, autonomic nervous system, and special senses.

Credits: 1

Prerequisites: ENG 100 with a grade of C or better or equivalent and CHEM 151, CHEM 161 or BIOC 141 with a grade of C or better or 1 year of high school college prep chemistry with a grade of B or better within the last 5 years and HLTH 125 with a grade of C or better or concurrent enrollment and PHYL 141 with a grade of C or better or concurrent enrollment.

Recommended Prep: MICR 130, BIOL 101

PHYL 142: Human Anatomy and Physiology II

PHYL 142 is the second semester of a comprehensive two-semester course which provides a thorough introduction to the structure and function of the human body. PHYL 142 covers the gross anatomy, histology, and physiology of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, reproduction systems as well as basic concepts of inheritance and development. Students will be expected to learn details of anatomy and physiology as well as applying those details in the broader context of whole body function and homeostasis. This course is the companion course to PHYL 142L.

Credits: 3

Prerequisites: PHYL 141 and PHYL 141L with a grade of C or better or equivalent and PHYL 142L with a grade of C or better or concurrent enrollment

Recommended Prep: MICR 130, BIOL 101

PHYL 142L: Human Anatomy and Physiology II Lab

PHYL 142L is the laboratory course of PHYL 142 (Human Anatomy and Physiology II) and it provides a thorough introduction to the structure and function of the human body. PHYL 142L covers the gross anatomy, histology, and physiology of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, reproductive systems as well as basic concepts of inheritance and development. Students will be expected to learn details of anatomy and physiology through models, dissections, and physiological experimentations. Students will also apply those details in the broader context of whole body function and homeostasis.

Credits: 1

Prerequisites: PHYL 141 and PHYL 141L with a grade of C or better or equivalent and PHYL 142L with a grade of C or better or concurrent enrollment

Recommended Prep: MICR 130, BIOL 101