

Clinical Exercise Physiology (CEP)

CEP 600. Healthy Living Medicine for Diabetes and Other Metabolic Disorders. 4 hours.

Introduces students to the etiology, diagnosis, and management of diabetes and other metabolic disorders. It reviews considerations for exercise testing, prescription and monitoring of patients with diabetes and other metabolic disorders.

CEP 601. Healthy Living Medicine for the Clinically Complex Patient. 4 hours.

Introduces students to exercise testing, exercise prescription and exercise monitoring of patients with clinically complex disorders (cancer, kidney disease, physical, neurologic or cognitive disabilities). Course Information: Restricted to students in the Doctor of Clinical Exercise Physiology program or consent of the instructor.

CEP 625. Professional Development I. 3 hours.

Provides an overview of the clinical exercise physiology practice with special emphasis on the evolving roles of clinical exercise physiologists, laws, ethics, values, evidence, documentation of patient management, and risk management.

CEP 626. Professional Development II. 3 hours.

Explores the impact of social and political issues on the practice of clinical exercise physiology and will identify, develop, and defend strategies for improving healthcare by enhancing the quality of care and access to service. Course Information: Prerequisite(s): Successful completion of the first term of the Doctor of Clinical Exercise Physiology program.

CEP 641. Clinical Education Experience I. 6 hours.

A 12-week supervised clinical education experience in a clinical setting to prepare for entry-level clinical exercise physiology practice. Course Information: Satisfactory/Unsatisfactory grading only.

CEP 642. Clinical Education Experience II. 6 hours.

A 12 week supervised clinical education experience in a clinical setting to prepare for entry-level clinical exercise physiology practice.

CEP 643. Clinical Education Experience III. 6 hours.

A 12 week supervised clinical education experience in a clinical setting to prepare for entry-level clinical exercise physiology practice. Course Information: Satisfactory/Unsatisfactory grading only.

CEP 655. Cardiovascular Imaging and Research Methods I. 2 hours.

Teaches students to understand the principal aspects of cardiac and vascular imaging modalities including physical principles, instrumentation, cardiovascular anatomy/physiology and pathophysiology. Course Information: Same as PT 555. Recommended background: Human Anatomy, Human Physiology, or Human Biology at the undergraduate or graduate level coursework. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

CEP 656. Cardiovascular Imaging and Research Methods II. 2 hours.

Teaches the skills and knowledge to conduct cardiac and vascular imaging studies using advanced tools and techniques such as transesophageal echocardiography, contrast ultrasound, image analysis, archiving and retrieval. Course Information: Same as PT 556. Prerequisite(s): CEP 655. Recommended Background: Human Anatomy, Human Physiology, or Human Biology at the undergraduate or graduate level coursework. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

CEP 657. Ultrasound Clinical Rotation I. 3 hours.

Students will acquire the clinical skills and knowledge to conduct cardiac and vascular imaging studies and interpret the clinical finding and cardiovascular structural and functional parameters revealed by such imaging techniques. Course Information: Same as PT 557. Prerequisite(s): CEP 655; and consent of the instructor. Recommended background: Human Anatomy, Human Physiology, or Human Biology at the undergraduate or graduate level coursework.

CEP 658. Ultrasound Clinical Rotation II. 3 hours.

Students will acquire the clinical skills and knowledge to conduct cardiac and vascular imaging studies and interpret the clinical finding and cardiovascular structural and functional parameters revealed by such imaging techniques. Course Information: Satisfactory/Unsatisfactory grading only. Same as PT 558. Prerequisite(s): CEP 656 and CEP 657; and consent of the instructor. Recommended background: Human Anatomy, Human Physiology, or Human Biology at the undergraduate or graduate level coursework.

CEP 697. Project in Clinical Exercise Physiology. 1-5 hours.

Supervised practicum in laboratory or field setting in which recent research findings are applied, tested, and evaluated. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated.