

GRADUATE CERTIFICATE IN EXERCISE PHYSIOLOGY

An emphasis in exercise physiology is intended for students who are interested in furthering their understanding of how the physiological systems of the human body respond to exercise. Exercise physiology is a multi-disciplinary field with strong ties to basic research, life sciences, and medicine. This emphasis offers a comprehensive study of the acute and chronic cardiovascular, respiratory, and metabolic responses to exercise; and the application of these concepts to exercise testing, prescription, and supervision in both healthy and diseased populations. Furthermore, an objective of the exercise physiology emphasis is to assist in preparation for certification as Health Fitness SpecialistSM or Clinical Exercise Specialist through the American College of Sports Medicine. Upon completion of the program, students will be prepared to further their education in a doctoral program or seek employment in a rehabilitation clinic, health club, wellness center, or other fitness settings. This certificate is only for graduate students in the Kinesiology program.

Graduate Certificate in Exercise Physiology – 12 units

| Code | Title | Units |
|---------|---|-------|
| KIN 742 | Exercise and Cardiovascular Dynamics | 3 |
| KIN 746 | Clinical Exercise Physiology | 3 |
| KIN 755 | Exercise Electrocardiography, Testing, and Prescription | 3 |
| KIN 781 | Muscle Physiology | 3 |