Exercise Physiology: Thesis Masters Requirements

Students in this program must be accepted by a faculty mentor. This program is recommended for those who desire to continue on to a doctoral program.

Students receiving funding in the form of a graduate teaching assistantship and are receiving the graduate tuition benefit must register for 12 credits each semester; those receiving a research assistantship must register for 11 credits each semester. 9 credits each semester is considered full time. All graduate students must enroll in a minimum of 3 credits in fall and spring semesters to avoid having to reapply to the University and Graduate School.

For students entering fall semester of odd numbered years (2015, 2017, etc.).

1st year, Fall (odd year)  
NUTR 6440 Macronutrient Metabolism^ (4 credits)  
ESS 7102 Introduction to Research Methods (3 credits)  
ESS 6970 Thesis Research* (variable credits)  
Elective*

1st year, Spring (even year)  
ESS 6381 Pulmonary Physiology (3 credits)  
ESS 7103 Experimental Design and Analysis (3 credits)  
ESS 6301 Advanced Exercise Physiology Lab (3 credits)  
ESS 6970 Thesis Research  
Elective

2nd year, Fall (even year)  
ESS 6380 Muscle Physiology (3 credits)  
ESS 6320 Exercise and Disease (3 credits)  
ESS 7850 Graduate Seminar (1 credit)  
ESS 6970 Thesis Research  
Elective

2nd year, Spring (odd year)  
ESS 6384 Advanced Cardiovascular Physiology (3 credits)  
ESS 6970 Thesis Research  
Elective

Courses in BOLD indicate required courses

^Students are required to have undergraduate biochemistry and basic physiology, and preferably cell biology prior to enrolling in FDNU 6440. Biology 3510 at the University of Utah would be very beneficial for those lacking basic biochemistry.

@student must complete a minimum of 6 credit hours of ESS 6970 Thesis Research; this course can be taken each semester as long as the student is working on thesis research.

*Electives must be 6000 or 7000 level courses and approved by the graduate supervisory committee. Students are advised to speak with the graduate mentor to consider electives that best complement future academic and research plans.
ESS 6951, Independent Study Research may be taken as an elective. This course
requires that the student be engaged in research separate from the master’s thesis.
This course carries section numbers unique to each member of the ESS faculty;
students should register for the section with whom students will conduct research.
For students entering fall semester of even numbered years (2016, 2018, etc.).

1st year, Fall (even year)  
ESS 6380 Muscle Physiology (3 credits)  
ESS 7102 Introduction to Research Methods (3 credits)  
ESS 6970 Thesis Research* (variable credits)  
Elective*

1st year, Spring (odd year)  
ESS 6384 Advanced Cardiovascular Physiology (3 credits)  
ESS 7103 Experimental Design and Analysis (3 credits)  
ESS 6970 Thesis Research  
Elective

2nd year, Fall (odd year)  
NUTR 6440 Macronutrient Metabolism^ (4 credits)  
ESS 6320 Exercise and Disease (3 credits)  
ESS 7850 Graduate Seminar (1 credit)  
ESS 6970 Thesis Research  
Elective

2nd year, Spring (even year)  
ESS 6381 Pulmonary Physiology (3 credits)  
ESS 6301 Advanced Exercise Physiology Lab (3 credits)  
ESS 6970 Thesis Research  
Elective

Courses in BOLD indicate required courses

^Students are required to have undergraduate biochemistry and basic physiology, and preferably cell biology prior to enrolling in FDNU 6440. Biology 3510 at the University of Utah would be very beneficial for those lacking basic biochemistry.

#Students must complete a minimum of 6 credit hours of ESS 6970 Thesis Research; this course can be taken each semester as long as the student is working on thesis research.

*Electives must be 6000 or 7000 level courses and approved by the graduate supervisory committee. Students are advised to speak with the graduate mentor to consider electives that best complement the future academic and research plans.

ESS 6951, Independent Study Research may be taken as an elective. This course requires that the student be engaged in research separate from the master's thesis. This course carries section numbers unique to each member of the ESS faculty; students should register for the section with whom students will conduct research.