

NUTSG 515

Advances in Nutritional Sciences I Macronutrient Metabolism

3 Credit Hours

This course investigates how protein, carbohydrates and fats are utilized within the body. Advanced knowledge of the use of the metabolic pathways and physiologic pathways will be discussed.

NUTSG 550

Advances in Nutritional Sciences II Micronutrient Metabolism

3 Credit Hours

This course will extend the knowledge shared in NUTSG 515 and look at how the micronutrients are used by the body. Special attention will be made on the biochemistry and metabolic pathways used for energy metabolism, health and disease.

NUTSG 553

Nutrition and Disease Prevention

3 Credit Hours

This course explores how nutrition plays a role in acute and chronic diseases. Students will look at current research supporting how nutrition can be used as a preventative measure in disease control.

NUTSG 557

Special Topics in Nutrition

3 Credit Hours

This course will look at current trends and topics within nutritional sciences. Topics may vary from year to year and include nutrition and its effects on physical activity, nutritional assessments, education, community engagement and human behavior.

NUTSG 580

Energy Balance and Obesity

3 Credit Hours

This course examines the frequency, prevention and treatment of both childhood and adult obesity with further investigation into the metabolic disorders that may occur due to obesity. Students will be able to understand the epidemiology of obesity, risk factors of being obese and the complications that come with obesity in both an acute and chronic effect.

NUTSG 590

Molecular Nutritional Sciences

3 Credit Hours

This course provides the student a broad overview of genes that may influence their diet, lifestyle choices and disease development both acutely and chronically. Student's will also be taught how to manipulate their own lifestyle choices to help avoid or delay genetic diseases.

NUTSG 600

Scholarly Project Or Thesis Option

3 Credit Hours

This course is a semi-independent or directed, guided study course where the student completes an original research project. The thesis/scholarly project is a culmination of the

MSES program and helps the student transition to a field of academia scholar and a professional within your discipline. Students may elect to complete a scholarly project or an in-depth research-intensive thesis option under the guidance of the program director and research committee. The choice of project or thesis will be determined collaboratively by students and faculty to be consistent with the student's academic and professional goals.

NUTSG 601

Scholarly Project Or Thesis Option

3 Credit Hours

Pre/Corequisite: P (RQ) NUTSG-600

This course is a continuation of the NUTSG 600 course. This course is a semi-independent or directed, guided study course where the student completes an original research project. The thesis/scholarly project is a culmination of the MSES program and helps the student transition to a field of academia scholar and a professional within your discipline. Students may elect to complete a scholarly project or an in-depth research-intensive thesis option under the guidance of the program director and research committee.

NUTSG 602

Scholarly Project Or Thesis Option

1 Credit Hour

Pre/Corequisite: P (RQ) NUTSG-601

This course is a continuation of the NUTSG 601 course and is only taken if the student needs to complete part of their scholarly project or thesis project. This course will be offered in 1 Cr increments and can be taken up to three times. The student cannot take the course a 4th time; students should finish their scholarly project or thesis project within that time frame if not completed in NUTSG 601.