



Advanced Aquaculture

Zool 570

In response to the expansion of global aquaculture industry during the past three decades, research efforts have increased to support production practices of established and emerging aquaculture species throughout the world. Additionally, the number of aquatic species evaluated for food production, stock enhancement, and as research models has also expanded. The **OBJECTIVE** of this course is to gain a better understanding of fish culture techniques, fish culture systems and water quality, nutritional needs, and considerations related to fish digestive physiology, nutrient digestibility and metabolism, bioenergetics, as well as quantification of nutrient requirements, feed formulation, and experimental design in aquatic animal studies.

The course includes laboratory sections which will provide hands-on experience in fish rearing, feeding, aquaculture system maintenance, diet preparation, and more.

Advanced Aquaculture course is offered in the spring semester. For more information, contact Dr. Kwasek: karolina.kwasek@siu.edu