

(KINE 4900) Course Syllabus

Instructor: John C Quindry, PhD

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Course Description:

Topically specific, research based laboratory experience. For this particular experience, an emphasis will center on current research emphasis in the Cardioprotection Laboratory. Research emphases include understanding the biochemistry of ischemia-reperfusion injury and protection, blood oxidative stress occurring during exercise, and cardiac parameters related to muscular dystrophy. Additional experience will pertain to assisting in the day to day operation of a research lab.

Objectives:

To develop research skills and experience related to ongoing research being conducted in the Cardioprotection Lab relative to ischemia-reperfusion injury, oxidative stress, and cardiac function.

To assist in day to day laboratory operation.

To assist in data collection for ongoing research topics.

To prepare a final experience summary detailing the collective experience.

Student Evaluation:

Student performance will be evaluated primarily on participation, data quality and the quality of the final experience summary.