

## **Syllabus KINE 458 R**

*COLL 400 for KINE 458 Cellular Basis of Neuromuscular Physiology*

This 1 credit course is to supplement the 3 credit course Cellular Basis of Neuromuscular Physiology (KINE 458), and can only be taken in conjunction with KINE 458. Students will be required to complete a research project that will feature both a written paper, and a poster presentation based upon that written project. In the research project, students will identify a neuromuscular disease/condition such as muscular dystrophy, sarcopenia, multiple sclerosis, etc. and discuss the etiology of that condition, its development, its symptomology, as well as its prognosis and consequences. The student will then have to develop a tailored treatment and management plan for the condition. The paper will be 12-15 pages long with 12-15 original references. This paper will then be presented as a “poster” presentation at the department’s end of semester undergraduate research symposium. The paper should be written in “Layman’s” terms so that it can be understood by a broad and disparate audience.