

## **Kinesiology Course Syllabus**

- 1. Course Number:** KINE 8900  
**Course Title:** Directed Studies  
(Hypoxia and VO<sub>2</sub> on-kinetics; Cancer and Lactate)  
**Credit Hours:** 3  
**Prerequisite:** Instructor approval  
**Corequisite:** None  
**Instructor:** L. Bruce Gladden

**2. Text:** None. Various research papers will be used.

**3. Course Description:** Detailed reading and review of scientific articles related to Hypoxia and VO<sub>2</sub> on-kinetics, and continuing work on the topic of Cancer and Lactate. There will also be active research activity.

- 4. Course Objectives:** Upon completion of this course, the student will:
1. Have presented a poster on Hypoxia and VO<sub>2</sub> on-kinetics.
  2. Analyzed data on lactate infusion and metabolism.

**5. Course Content and Schedule:** The course involves in-depth study of the chosen topics. The student will meet with Dr. Gladden on a weekly basis to a) select scientific articles to be read, and b) to review and discuss articles that have already been read, c) to summarize articles read, d) to do research in the selected areas, and to report progress on the poster presentation.

### **6. Course Requirements/Evaluation:**

The course requirements include reading scientific articles and summarizing/synthesizing them in the form of oral discussion and a poster, and also analyzing research data.

Pass =  $\geq 70\%$

Fail  $\leq 70\%$

### **7. Class Schedule**

Weekly one-on-one discussion/presentation sessions, and research sessions.

### **8. Class Policy Statements:**

**Participation** - It is expected that the student will attend every scheduled meeting, will actively bring discussions to the meetings, and will meet all assigned data collection

deadlines. Please refer to the current edition of the Tiger Cub (<http://www.auburn.edu/tigercub>) for the definition of excused absences. The student is responsible for initiating arrangements for missed work.

**Unannounced Quizzes** – There will be no unannounced quizzes in this class.

**Accommodations** – If the student needs accommodations, she is asked to arrange a meeting during office hours the first week of classes, or as soon as possible if accommodations are needed immediately. If she has a conflict with the office hours, an alternate time can be arranged. To set up this meeting, please contact me by E-mail. Bring a copy of your Accommodation Memo and an Instructor Verification Form to the meeting. If you do not have an Accommodation Memo but need accommodations, make an appointment with The Program for Students with Disabilities, 1244 Haley Center, 844-2096 (V/TT).

**Honesty Code** – The University Academic Honesty Code and the Tiger Cub Rules and Regulations pertaining to Cheating will apply to this class.

**Professionalism** – As faculty, staff, and students interact in educational settings, they are expected to demonstrate professional behaviors as defined in the College of Education's conceptual framework. These professional commitments or dispositions are as follows: 1) engage in responsible and ethical practices, 2) contribute to collaborative learning communities, 3) demonstrate a commitment to diversity, and 4) model and nurture intellectual vitality.