

Kinesiology Course Syllabus

- 1. Course Number:** KINE 8900
Course Title: Directed Studies
(Hyperlactatemia and Hypoglycemia in Cancer Cell Culture)
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 severe hypoglycemia, hyperlactatemia, and the combination of the two. Particular attention will be paid to applying these to cultured cancer cells. Data on cell viability will be collected.

4. Course Objectives: Upon completion of this course, the student will understand:

1. The basic tenets cell culture as it relates to cancer cells.
2. The background of lactate-protected hypoglycemia.
3. The data collection process for cultured cell studies.

5. Course Content and Schedule: The course involves in-depth study of the chosen topic. The student will meet with Dr. Gladden to a) select scientific articles to be read, b) to review and discuss articles that have already been read, and c) to discuss data that have been collected.

6. Course Requirements/Evaluation:

The course requirements include reading scientific articles and summarizing/synthesizing them in the form of short essays/abstracts, data collection, and presentation of a research lecture.

A = $\geq 90\%$ B = $\geq 80\%$ C = $\geq 70\%$ D = $\geq 60\%$ F = $< 60\%$

7. Class Schedule

Weekly one-on-one discussion 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 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.