COURSE OUTLINE:

I. Scientific Observations
   a. Homeostasis
   b. Diffusion and Osmosis

II. Nervous System Functions
   a. Reflex Actions
   b. Action Potentials

III. Skeletal Muscle
   a. Activity and Actions

IV. Special Senses
   a. Vision
   b. Hearing and Equilibrium
c. Taste and Touch and/or Smell

V. Cardiovascular Function
   a. Blood Pressure
   b. Electrocardiograms
   c. Heart Health

VI. Respiration Activities

VII. Special Topics

EXPECTED LEARNER OUTCOMES:

A. The learner will be able to acquire, manipulate, and evaluate various types of physiological data.
B. The learner will be able to use data acquisition equipment and simulation labs as needed.
C. The learner will be able to present data for instructor assessment.

COURSE COMPETENCIES:

The learner will be able to acquire, manipulate, and evaluate various types of physiological data.
1. The learner will be able to make and record scientific observations and summarize the results.
2. The learner will be able to elicit various reflexes on another person and evaluate them.
3. The learner will be able to evaluate visual responses and make observations.
4. The learner will be able to evaluate responses to hearing tests.
5. The learner will be able to test responses of taste and touch and evaluate the results.

The learner will be able to use data acquisition equipment and simulation labs as needed.
6. The learner will be able to record blood pressure, collect data from other students, and construct tables, charts or graphs as needed.
7. The learner will be able to identify the waves on ECG recordings, measure intervals and calculate heart rate.
8. The learner will be able to identify cardiovascular processes and evaluate the results.
9. The learner will be able to examine and evaluate respiratory recordings.

The learner will be able to present data for instructor assessment.
10. The learner will be able to submit laboratory reports for evaluation.

ASSESSMENT OF LEARNER OUTCOMES: Student progress is evaluated by means that include, but are not limited to, exams, written assignments, and class participation

SPECIAL NOTES:
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.
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Kansas City Kansas Community College complies with the Americans with Disabilities Act. If you need accommodations due to a documented disability, please contact the Director of the Academic Resource Center, in Rm. 3354 or call at: 288-7670.